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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG W. VA., JANUARY 1943 No. 1

GENERAL SUMMARY

The month was warm averaging 3.0° above normal and was 4.0° warmer than the preceding month, December 1942. It was the warmest January since 1939 with all but one station showing plus departures in temperature. The period 23d-25th was exceptionally warm while other warm periods were 1st-4th and the 15-18th. The cold periods were 5-9th and 19th-21st. Minimum temperatures of zero or lower were reported on the 20th from stations at the higher elevations.

Precipitation averaged slightly under normal. About one-half of it fell as snow. Snowfall ranged from moderate to heavy in the northeastern panhandle division and the central portion of the northern division. Snowfall was light to moderate along the Ohio river and in the southern division. Spruce Knob had the greatest number of snow-lying days, with 25. As the month opened the Ohio River was in flood caused by rains of the previous month. Much damage was done to farms, crops, bridges, and highways, while the loss of wages and business in the industrial areas was also considerable. The navigable rivers were practically ice free during the month.

Muddy fields and roads slowed the winter routine of farm work during much of the month, although considerable plowing was accomplished. Fruit trees remained dormant, while winter grains and pastures continued in good condition at the close of the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 35.6°, or 3.0° above the normal. The mean for the northeastern panhandle division was 33.6°; for the northern division, 34.7°; and for the southern division, 36.9°. The highest monthly mean was 40.3° at Huntington and the lowest, 29.4° at Bayard and Pickens. The highest temperature was 80° at Huntington on the 24th, and the lowest, —9° at Pickens on the 20th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 121 stations, was 3.43 inches, or 0.17 inch below normal. In the northeastern panhandle division the average was 3.28 inches; in the northern division, 3.78 inches; and in the southern division, 3.03 inches. The greatest monthly precipitation was 5.87 inches at Pickens, and the least, 1.71 inches at Kermit. The greatest amount in any 24 consecutive hours was 1.70 inches at Creston on the 27th. The average monthly snowfall was 13.4 inches, or 5.4 inches above the normal. The greatest monthly snowfall was 31.5 inches at Pickens. The average number of days with .01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	5	4	3	3	..	..	1	3	2	2	..	..	..	..	..	2	10	13	3	..	2	4	3	25	2	1	1	2	1	5	7
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	1	6	14	3	3	..	..	..	2	4	6	1	2	7	5	1	4	14	3	..	..	..	1	..	1	1	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	3	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	2	..	..	..	..	..	..	1	20	21	18	1	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	2	42	7	..	..	..	..	1	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.76	20	29.38	16	9.1	30	sw.	3	86	70	76	31	951
Columbus, Ohio	30.72	20	29.36	16	10.8	27	w.	31	87	76	84	27	1026
Elkins	30.70	20	29.52	14	7.3	33	nw.	4	85	65	78	34	921
Huntington Airp't	30.76	20	29.49	16	.....	26	w.	19	84	66	81	....	863
Parkersburg	30.74	20	29.47	16	6.8	33	w.	4	85	69	73	38	909
Pittsburgh, Pa	30.68	20	29.42	15	11.4	45	nw.	4	85	74	79	24	985

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	31.7	..	....	3.24	4.23	3.24	3.64	.....	..	..	..	..
1892	29.4	76	—3	2.95	3.57	2.66	3.15	.....	11	..	..	..
1893	22.6	71	—25	2.26	2.87	2.02	2.49	.....	12	7	7	17
1894	36.6	70	—8	2.25	2.73	2.01	2.41	.....	9	12	8	11
1895	25.0	69	—21	4.20	4.64	4.63	4.48	.....	13	6	9	16
1896	32.4	72	—6	1.62	1.70	1.39	1.57	1.8	15	9	8	14
1897	28.8	69	—18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	—5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	—21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	—10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	—4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	—1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	—7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	—18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	—14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	—5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	—15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	—16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	—5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	—5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	—5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	—34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	—11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	—8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	—10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	—9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	—27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	—16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	—11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	—2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	—15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	—1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	—15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	—27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	—23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	—14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	—14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	—19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	—13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	—10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4.82	.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	—15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	—23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	—31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	8.50	.6	17	6	6	19
1938	33.5	77	—2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	—7	3.22	3.66	3.65	3.59	11.0	14	8	7	19
1940	20.5	62	—24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	—6	2.15	3.03	2.59	2.73	5.1	12	5	7	19
1942	30.7	67	—23	1.64	2.09	2.10	2.02	5.6	8	10	8	13
1943	35.6	80	—9	3.28	3.78	3.03	3.43	13.4	14	6	9	16
Period	32.6	83	—34	3.10	3.88	3.57	3.60	8.0	12	9	7	15

Climatological Data for January 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	29.4	+0.6	66	24	−3	20	4.70	+0.20	....	.....	25.9	14	7	5	19	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	.....	..	..	...	..	....	.....	....	.....	19.0	..	5	12	14	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	36.5	+5.6	77	25	5	20	2.40	+0.06	.65	18-19	12.5	8	17	2	12	s.	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	...	..	2.65	−0.06	.90	29	11.6	13	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	34.2	.....	72	25	9	§14	2.40	.....	1.00	28	18.0	10	9	5	17	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	33.0	−0.9	69	25	9	20	3.37	+0.59	1.30	28	....	12	6	8	17	e.	University Exper. Station
Martinsburg	Berkeley	435	43	33.4	+2.4	67	25	10	§20	3.43	+0.92	.80	27	17.5	12	13	15	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	47	34.8	+3.8	77	25	5	20	3.56	+1.18	1.28	26	16.0	7	7	7	17	w.	R. E. Saville
Piedmont	Mineral	1,053	27	32.4	+1.5	69	25	7	20	3.87	+1.29	1.15	27	18.0	13	6	5	20	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	33.9	+2.4	75	25	7	20	2.69	+0.30	1.09	27	21.0	8	5	9	17	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	...	..	4.04	+1.23	.73	19	30.0	16	5	3	23	w.	Fred Becker
Wardensville	Hardy	1,200	21	32.9	+2.1	77	25	8	§14	3.08	+0.95	.77	28	14.3	9	11	4	16	ne.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	...	..	4.10	+0.70	1.00	17	16.6	16	2	13	16	w.	L. Esie Bond
Benson	Harrison	1,080	18	36.0	+1.9	71	24	4	20	4.75	+1.14	1.12	26	31.0	16	5	17	9	.....	R. D. Marts
Beus Run	Pleasants	652	42	35.4	+2.5	72	24	11	6	2.77	−1.21	.59	17	10.2	11	11	10	10	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	31.8	.....	60	§18	1	20	3.81	.....	.54	27	21.2	12	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	37.8	+3.2	73	24	4	20	4.31	+0.72	1.25	17	18.2	13	4	13	14	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	36.8	+4.3	69	25	7	20	4.49	+0.09	1.26	17	11.5	10	9	10	12	.....	H. A. Darnall
Cairo	Ritchie	680	34	36.1	+1.7	74	25	5	20	3.66	−0.29	.65	18	14.2	16	2	14	15	.....	Eureka Pipe Line Co.
Clarksburg	Harrisou	1,015	20	34.4	+1.8	70	24	4	21	3.67	+0.36	.86	27	25.4	17	3	13	15	w.	Clarksburg Water Board
Creston	Wirt	640	42	37.6	+3.5	75	24	7	20	4.11	+0.18	1.70	27	11.6	16	5	9	17	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	...	..	3.45	+0.26	.95	26-27	15.0	19	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	...	..	2.18	−0.95	.29	19	....	19	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	...	..	4.24	+1.02	1.13	26-27	16.5	15	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	...	..	2.53	−0.88	.49	18	7.5	16	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	..	...	..	2.51	−1.11	.64	18	11.0	11	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	..	...	..	3.80	+0.03	1.05	17	11.0	12	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	35.2	+4.8	70	25	3	20	4.12	+0.34	1.35	26-27	12.8	17	4	4	23	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	35.0	+2.8	71	24	5	20	4.50	+0.57	.65	27	29.7	18	6	6	19	s.	J. C. Robinson
Glenville	Gilmer	738	55	38.4	+4.6	73	25	6	20	4.14	−0.29	.98	27	14.0	16	2	16	13	w.	Howard R. Braunou
Grafton	Taylor	1,050	40	33.4	+0.8	73	25	−2	20	4.50	+0.93	1.37	26-27	17.4	14	7	8	16	.....	L. W. Clayton
Grantsville	Calhoun	900	1	....	.....	..	..	...	..	....	.....	....	.....	....	..	..	..	..	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	34.0	.....	70	24	4	20	3.18	... ..	.82	16-17	20.0	18	2	10	19	sw.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	...	..	3.64	.....	.73	17	15.9	19	3	14	14	w.	L. G. Mclutyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	...	..	4.34	+1.08	.95	17	14.6	18	..	..	..	.....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	....	.....	..	..	...	..	....	.....	....	.....	....	..	..	..	..	.....	Mrs. Gladys Edmonds
Manniugton	Marion	974	41	33.8	+1.9	69	24	1	20	3.95	−0.17	.76	26	22.9	20	4	11	16	w.	James A. Morgan
Middlebourne	Tyler	750	2	34.0	.....	73	24	5	§20	2.89	.....	.60	27	10.0	13	5	4	22	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	43	....	.....	..	..	...	..	....	.....	....	.....	....	..	..	..	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	31.4	+2.8	64	24	3	19	1.80	−1.04	.44	18	4.0	12	6	0	25	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	33.2	+0.1	72	24	5	20	1.93	−2.05	.58	26	6.2	8	9	6	16	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	35.6	+3.1	74	24	6	20	2.41	−1.17	.56	17-18	11.2	17	5	6	20	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	35.5	+1.0	70	25	3	20	5.03	+0.42	1.15	17	16.5	18	4	9	18	.....	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	.	...	..	4.06	−0.08	.98	27	17.4	19	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	29.4	−1.5	57	24	−9	20	5.87	−0.45	1.27	26	31.5	19	9	5	17	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	...	..	4.38	+0.78	1.20	17	11.0	20	5	8	18	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	35.0	.....	70	§24	5	20	4.75	−0.16	1.35	26-27	21.4	19	5	1	25	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	...	..	3.17	−0.57	....	.....	8.0	16	..	..	..	.....	Edward Hughes
Terra Alta	Preston	2,559	37	....	.....	..	..	...	..	....	.....	....	.....	....	..	..	..	..	.....	
Thomas	Tucker	2,950	13	....	.....	..	..	...	..	5.16	+1.18	1.28	27	30.0	15	..	..	..	.....	W. Sleemau
Valley Chapel	Lewis	1,011	19	36.8	+1.7	70	§24	4	20	4.15	+0.61	1.12	26-27	22.9	19	2	17	12	w.	S. A. Spence
Wellsburg (near)	Brooke	668	43	32.0	+1.8	68	24	4	20	2.37	−0.68	.50	16	4.5	10	4	12	15	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	...	..	3.77	+0.70	.90	26	19.8	17	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	39.1	+5.0	70	25	9	20	4.29	+0.18	.85	17	15.7	18	0	27	4	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	32.5	+2.1	67	24	9	20	2.10	−0.94	.50	19	7.9	16	4	4	23	sw.	Lockmaster
Southern Division																				
Arhovale	Pocahontas	2,727	18	....	.....	..	..	...	..	2.16	−0.65	1.10	26	10.6	12	8	14	9	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	37.8	+4.4	70	24	0	20	3.83	+0.16	1.18	26	11.7	12	10	11	10	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	38.4	+3.5	69	17	4	20	3.06	+0.05	.57	27	14.7	13	10	5	16	.....	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	5	37.7	.....	77	24	6	20	2.67	.....	.93	26	6.7	15	5	8	18	w.	Civil Aero. Admiuistration
Clay	Clay	790	44	....	.....	..	..	...	..	4.10	+0.42	1.18	19	10.1	18	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	32.8	.....	66	17	−2	20	3.06	.....	1.25	26	13.5	16	6	9	16	sw.	U. S. Airway Station
Gary	McDowell	1,426	26	38.2	+3.1	76	24	7	§20	3.53	+0.08	1.25	26	2.2	10	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	....	.....	..	..	...	..	....	.....	....	.....	....	..	..	..	..	.....	State Forest Nursery
Hamlin	Lincoln	641	..	....	.....	..	..	...	..	....	.....	....	.....	....	..	..	..	..	.....	James J. Jeffries
Hinton	Summers	1,431	43	3.87	+4.2	79	17	6	20	3.16	−0.10	1.24	27	5.2	11	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	40.3	+6.3	80	24	8	20	2.01	−1.78	.85	26-27	9.1	11	6	10	15	sw.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	...	..	2.49	−1.73	.92	27	3.1	8	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	35.6	+3.2	73	17	0	20	2.24	−1.11	.75	26	4.0	6	4	18	9	w.	James B. Stuart
Logan	Logan	700	32	40.2	+1.2	79	§17	10	§20	2.16	−2.26	.70	27	1.0	9	6	6	19	.....	Paul A. Simonds
London Locks	Kanawha	623	8	36.4	.....	64	3	9	§20	3.14	.....	1.14	27	4.2	15	5	14	12	.....	Lockmaster
Madison	Boone	675	21	38.7	+2.1	75	24	7	§20	2.35	−1.75	.72	27	9.9	12	3	13	15	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	35.2	.....	70	17	3	§20	3.06	.....	1.26	27	5.7	13	7	1	23	.....	W. E. Holy
Pineville	Wyoming	1,350	1	39.4	.....	78	24	6	20	3.61	.....	1.50	27	2.7	8	12	5	14	.....	Charles Dameron
Point Pleasant	Mason	595	44	37.6	+3.5	75	25	7	20	3.62	−0.33	.87	17	8.5	12	11	9	11	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	34.2	+1.8	69	17	−2	6	4.00	−0.21	.97	26	16.5	19	13	4	14	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	36.8	+1.4	71	24	6	20	3.03	−0.57	.72	18	9.0	15	7	2	22	sw.	Lockmaster
Richwood	Nicholas	2,193	12	34.8	+0.4	71	17	1	20	4.48	−0.43	1.27	27	9.5	13	10	6	15	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	1	38.2	.....	74	23	10	13	....	.....	....	.....	....	..	..	..	..	.....	Sattis Simmons
Ryan	Roane	700	40	35.2	+2.2	77	24	2	20	2.91	−1.14	.95	26	11.2	17	6	6	19	.....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	4	31.7	.....	71	18	0	14	4.80	.....	1.25	26	12.5	10	7	9	15	w.	Supt., State Forest
Spencer	Roane	789	40	37.2	+3.5	75	24	5	20	3.21	−0.80	.95	27	13.5	13	3	11	17	.....	A. M. McKowu
Summersville	Nicholas	1,900	7	33.6	.....	70	17	−2	20	3.44	...	.97	27	8.5	14	4	6	21	.....	A. E. Dorsey
Sutton	Braxton	850	39	39.4	+5.1	73	§24	6	§6	3.93	−0.61	.80	18	12.0	14	..	..	..	.....	C. B. Eakle
Union	Monroe	2,200	32	35.5	+2.2	72	§17	3	21	3.01	−0.14	.93	26	....	9	..	..	..	.....	C. B. King
Webster Springs	Webster	1,500	11	38.2	.....	73	17	5	20	3.59	. . . .	1.20	26	8.5	11	6	12	13	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	34.9	+2.8	74	17	3	20	2.61	−0.72	.90	26	5.6	11	10	9	12	.....	Ashford General Hospital
Williamson	Mingo	673	35	40.0	+4.0	77	§17	12	§20	1.94	−2.01	.68	27	3.0	10	8	10	13	se.	J. E. Dotson
Winfield Locks	Putnam	571	5	38.0	.....	76	24	8	§20	2.34	.....	.90	26-27	6.0	16	7	5	19	sw.	Lockmaster
State averages and extremes			..	35.6	+3.0	80	24	−9	20	3.43	−0.17	1.70	27	13.4	14	6	9	16	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates.

UNWE
1943-48

Daily Precipitation for January 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac		.04	T.	T.	.27			.21		T.	.13				.22	.03	.40	.38	.62	.14						*	1.35	.75	.16			4.70
Brandywine	do			T.	T.	T.		.10	.10	.15									.30	.35							.40	.40	.60				2.40
Brushy Run [2]	do				.02				.22	.07							T.	.02	.07	.51	T.						.42	1.03	.54	.25		T.	3.15
Harpers Ferry [2]	do			.02	.05				.05	.02	T.	.02						T.	.17	.37	.20						.06	.39	.36	.90		.04	2.65
Inwood	do			.08			T.	.10			.04							.06	.52	.09						.35	.06	1.00	.10			2.40
Kearneysville	do			.05				.03	.09		.10						.29	T.	.31	.30						.34	.38	1.30	.03	.15		3.37
Knobly Mountain [2]†	do		T.	.08		T.			.10	.15	T.	T.				T.	.05	.22	.45	.46						.15	.60	.30	.20	T.		2.76
Martinsburg [2]	do			T.		T.			.05	.05	T.	T.					.03	T.	.60	.35	.05				T.		.05	.80	.55	.70	.10	.10	3.43
McNeill †	do			T.	T.				.23		.04					T.	T.	.36	.41	.12						1.28	T.	1.12				3.56
Petersburg	do			.03	.31			.06	.11	.04	.02							.17	.57							.55	.78	.85				3.49
Piedmont	do	.01		.12					.15	.01	.01		T.			.01	.01	.15	.45	.13						.69	1.15	.98				3.87
Romney	do						T.		.08	.06	.06							*	.60							.20	1.09	.60				2.69
Spruce Knob [2]†	do		.04	T.	.06	.27	.04	T.	.21	T.	.07	T.		T.		.13	.04	.14	.18	.34	.17					.20	.37	.34	.12			2.72
Stony River Dam [2] †	do			.14	.04	.30		.04	.15	.08	.08	.12		.12		.30		.31	.70	.73						.13	.40	.40				4.04
Wardensville [2]	do								.10	.06								.02	.15	.61						.16	.75	.77	.46	T.		3.08
Northern Division																																	
Aberdeen†	West Fork	.02	.05	T.	.10	T.		.05	.09	.04	.03		T.		T.	.09	.03	1.00	.48	.16					T.	.72	.40	.80		.04		4.10
Belington [2]	Tygart	T.	.13	T.	.07	.10	.01	.02	.15	.05	.01	.06		T.	T.	.10	.05	.41	.51	.62	.14						.19	1.00	.52	.22		T.	4.36
Benson †	West Fork		.05		.08	.10		.05	.18		.07		.05			.10	.05	1.00	.35	.20						1.12	.55	.75		.05		4.75
Beus Run	Ohio				.10			.17			.05					.14	.14	.59	.39							.54	.15	.37		.13		2.77
Big Skin Creek†	West Fork	.10	.02		.10	T.		.06	.07	.04	.07	.01				.02	.11	1.12	.44	.15					.02	.88	.41	.71		.07		4.40
Brandonville	Cheat		T.		.18	T.		.30	.10	.10	T.	T.	T.	T.		T.	.40	.51	.53	.40						.39	.54	.30	.16	T.		3.81
Browusville †	West Fork	.05			.10			.03	.05	.08	.10							1.25	.50	.25						.62	.63	.58		.07		4.31
Buckhannon	Tygart	.14			T.			.25	.09	T.	.18					T.		1.26	.40	.10				T.		.85	.45	.77		T.		4.49
Cairo	Litl.Kanawha	.05	.05		.10	.05		.05	.05		T.	.05	T.			.11	.06	.64	.65	.06						.60	.53	.52		.09		3.66
Clarksburg [2]	West Fork	T.	.12		.10	.03	T.	.02	.20		T.	.05		T.		.07	.05	.37	.38	.45	.06					.31	.86	.30	.21	T.	.09	3.67
Crawford	do	.08			.10	.01		.02	.17	.02	.02					.04	.05	.72	.47	.08						.85	.36	.66		.02		3.67
Creston [2]	Litl.Kanawha		.11		.05	.01		.02	.06	T.		.05		T.		.21	.10	.59	.32	.20	T.					.21	1.70	.38	.02		.08	4.11
Dailey [2] †	Tygart		.05	.02	.05	.20	T.	T.	.23	.02	T	T.		T.		.06	.05	.08	.14	.93	.07					.24	1.26	.35	.25			4.00
Dam 10, Mon. R. [2]†	Monongahela		.20	.08	.12	.03		.02	.15	.03	.01					.07	.03	.32	.31	.77	.03					.16	.79	.07	.19		.07	3.45
Dam 13, O. R. [2]†	Ohio		.26	.06	.25	.02		.02	.16		.01	.02				.08	.11	.28	.15	.29	.02					.06	.14	.04	.13		.08	2.18
Dam 15, Mon. R. [2]†	Monongahela		.16	T.	.10	T.	T.	.02	.18	T.	T.	T.		T.		.20	.09	.29	.45	.94	.02					.25	.88	.25	.33		.08	4.24
Dam 19, O. R. [2]†	Ohio	T	.15	.01	.10	T.	T.	.03	.10		.01	T.		T.		.13	.08	.41	.49	.28	T.					.22	.25	.09	.03	T.	.15	2.53
Dam 20, O. R. [2]†	do		.08	T.	.17	T.		.05	.02	T.	T.	T.				.25	.08	.29	.64	.40					T.	.23	.30	T		T.	T.	2.51
Elizabeth (Dam 3) [2]	Litl.Kanawha		.34		.30			.10			.15					.17	.06	1.05	.29	.42						.42		.40		.10		3.80
Elk †	West Fork		.10						.20							.15		1.05	.48	.40						.60	.40	.37				3.75
Elkins [1] †	Tygart	.07	T.	.01	.21	T.	.02	.23	.02	.04	.04	T.	T.	T.	.05	.03		.75	.44	.21	T.				T.	1.30	.13	.44		T.	.13	4.12
Fairmont [2]	Monongahela		.12		T.	.10	T.	.08	.18	.05	.02	.04		T.		.17	.10	.36	.55	.61	.51				T.	.35	.65	.40	.18	T.	.03	4.50
Glenville [2]	Litl.Kanawha		.12		.14	.18	T.	T.	.17	.08	.07	T.				.18		.94	.06	.11	T.			.19		.20	.98	.06	.12		.54	4.14
Grafton	Tygart		.13	.02		.12			.20	.26		.03						.81	.42	.22						*	1.37	.30	.57		.05	4.50
Hackers Creek †	West Fork	.11		.01	]			T.	.14						.07	.10	.19	.54	.40	T.						.38	.37	.30				2.61
Hall [2]	Tygart	T.	.14	T.	T.	.06	.01	.04	.14	.06	.01	T.		T.	T.	.14	.05	.53	.63	.42	.10					.22	.96	.47	.26		T.	4.24
Harrison Co. Airport [2]	West Fork	.10	T.	.03	.03	T.	.02	.09	.01	.02	.05	T.	T.		.07	.06	.04	.79	.35	.30					T.	.59	T.	.50		.09	.04	3.18
Hastings	Ohio	.20	.11	.07	.20	.04		.10	.16	.04	.02	T.	T.			.20	.17	.73	.51	.07				.07		.41	.32	.17		.05		3.64
Horner	West Fork	.10			T.			T.	T.	T.	T.					.05	.10	1.60	.42	.25						.25	.20	.15		.25	.75	4.12
Ireland	do	.10			.10		T.	.15	T.	T.	T.							.60	.70	.09						.30	1.00	.30		T.		3.34
Jane Lew	do	.04	.04		.05	.02		.05	.08	.01	.04					.12	.09	.95	.49	.41				13		.82	.45	.48		.07		4.34
Kumbrabow St. For. †	[2]Tygart	.40	.18	.05	.10			.35	*	*	*		.58			.41	.25	.60	.15		.05			.02		.90	.20	1.40				5.64
Manningtou	Mouongahela	.22	.01	.02	.19	.08		.19	.09	T.	.01		.01		T.	.23	.16	.60	.32	.23	.01					.76	.30	.44		.07	.01	3.95
Middlebourne	Middle Is. Creek	.17		T.	.17	T.			.09		.05					.15	.05	.43	.31	.33	T.					.25	.60	.27	.02			2.89
Midvale [2]†	Tygart		.18		T.	.02	.01	.01	.12	.03	.03	.03				.11	.09	.68	.32	.61	.07					.07	.54	.26	.09			3.27
Morgantown	Monongahela																																
Mt. Clare	West Fork	.10	.02			.03	.10	.04	.02	.04	.03		T.	T.	.12	.01	.10	.40	.21	.35	T.					.87	.29	.65		.02	.01	3.41
New Cumberland	Ohio		T.	.04	.39	.02		T.	.14		.05				.03	.09	.25	.24	.44								.10		.01		1.80
New Martinsville	do	T.			.12						T.				.18	.11	.15	.46	.15	.18						.58	T.	T.		T.	T.	1.93
Parkersburg [1]†	do	.04		.10	.01	.03	.04	.13	T.	T.	.04	T.	T.		.09	.09	.18	.48	.32	.04					T.	.53		.12		.09	.08	2.41
Parsons	Cheat	.04	.10	.01	.10	.05		.13	.13	.04	.01	.02	T.	T.	T.	.11	.05	1.15	.59	.23	T.					.91	.45	.91		T.	T.	5.03
Philippi [2]	Tygart	T	.11	T.	.07	.03	.04	.04	.19	.04	T.	.04		T.	T.	.08	.06	.42	.60	.43	.13					.15	.98	.27	.36		.02	4.06
Pickens	do	.20	.26		.40	.30		.35	.10	.10	.30		.20	.10	.15	.17	.04	.29	.57	.15						1.27	.45	.47				5.87
Roanoke	West Fork	.06	.02	.06	.09	.01	.06	.07	.04	.03	.05	.01				.08	.01	1.20	.42	.14	T.					.92	.42	.62		.07		4.38
Rockford †	do	.06	T.	.03	.07	T.		.15		.09	.03	T.	T.		T.	.06	.05	1.00	.41	.32				T.		.64	.38	.94		.06		4.29
Rowlesburg [2]	Cheat	.35	.18	T.	.07	.10	T.	.02	.10	.02	.05	.02	T.			.06	.10	.52	.33	.37	.45					.20	1.15	.35	.30		T.	4.75
Saint Marys [2]	Ohio		.24				.14		.08	T.	.02	.02				.25	.11	.53	.40	.41	.07					*	*	*	*	.90	T.	3.17
Salem	West Fork	.14			T.		T.	.04			T.		T.			*	*	.96	.52	.20						*		1.06		T.		2.92
Shinnston	do	.20		.10	.20			.10	.10				T.					1.01	.75							.43	.70	.40				3.99
Terra Alta †‡	Cheat																																
Thomas [2]	do		.24		T.	.41	.05	.05	.24	T.	.09	.10					.10		1.02	.55	.33					.15	1.28	.28	.27			5.16
Valley Chapel	West Fork	.05	.09	T.	.09	.11	.03	.09	.12	.02	.03	.02	T.			.09	.07	.88	.38	.18						.73	.39	.66		.12		4.15
Valley Head [2]	Tygart		.10		.10	.25	.02		.20	T.	.05	T.		T.		.15	.04	.03	.01	.52	.17					.38	1.56	.22	.28			4.08
Vandalia †	West Fork	.11			.11			T.	.11	.05								.98	.44	.20						.88	.20	.82				3.90
Wellsburg (near)	Ohio	.25	T.	T.	.31	T.		.12	.06		T.					T.	.50	.47	.48	.05							T.	.09		.04		2.37
West Milford	West Fork	.10	.05		.02	.03	T.	.10	.15		.05					.10	.11	.85	.36	.21	.08					.90	.40	.20		.06		3.77
Weston [2]	do		.12	.02	T.	.10	T.	.01	.15	.04	.02					.12	.06	.85	.45	.70	.13					.19	.78	.28	.15		.12	4.29
Wheeling (Dam 12) [2]	Ohio		.14	.07	.25	.03		.02	.15		T.	T.				.08	.16	.34	.10	.50						.03	.05	.03	.10		.05	2.10
Southern Division																																	
Arbovale [2]	Greenbrier	T.			.12	T.		.08		.02	.04		T.		.06	T.		.02	.30	.06					T.	1.10	.09	.22		.05		2.16
Beckley	New	.04			.18	.08		.06	T.	T.	.12				.09	T.			.40	T.					.08	1.18	.96	.42	T.	.22		3.83
Bluefield	New		.02		.07	.14			.10	.08		.20				.05			.48	.20						.50	.57	.45		.20		3.06
Camden-on-Gauley [2]	Gauley		.15	.03	.12	.14	.02		.08	.02	.10	T					.08		.38	.03	.02					.08	1.43	.74	.02			3.44
Charleston (Airport) [4]	Gr. Kanawha	.04		.06	.04	T.	.01	.05	T.	T.	.05				.18	.02		.45	.47	.01					T.	.93	T.	.25		.09	.02	2.67
Clay [2]	Elk		.10	.10		.05	T.		.04	.07	.08	.04				.03	.01	.31	.14	1.18	.05					.24	.66	.44	.42		.19	4.10
Flat Top [4]	New	.03		.05	.04	.01		.08	.02	.02	.09				.06	T.			.35	.09					.01	1.25	.39	.49		.08		3.06
Gary [2]	Big Sandy				.05				.12	T.		.07				.02			.27	.21						1.25	.52	1.00		.02		3.53
Greenbottom [2]†	Ohio																																
Hinton [2]	New				.01	.08	T.		.08	T.	T.					.04			.18	.19						.28	1.24	.80	.06	.20	T.	3.16
Hogsett [2]	Ohio	T.	.01		.06	.01	T	.01	.10			.03					.02	.60	.11	.11	T.					.15	.11	.07	.25	.04	.06	1.74
Huntington	do	.01			.10	T.		.08	.02	T.	.02			T.	.06		.36	.26								.76	.09	.25				2.01
Kayford [2]	Gr. Kanawha							T.	.05		T.	.01			.13					.14	.13					.91	.92	.20				2.49
Lewisburg	Greenbrier	T.		T.	.01		T.	T.		T.	T.								.25		T.					.75	.38	.60		.25		2.24
Logan [2]	Guyandot		T.		T.	.09	T.	T.	.03	T.	T.	.06				.06	T.			.52	T.					.45	.70	.24	T.	T.	.01	2.16
London Locks [2]†	Gr. Kanawha		.06	T.	.06	.02	T.	T.	.06	.02	T.	.08				.06		.11	.06	.52	T.					.18	1.14	.54	.13	T.	.10	3.14
Madison [2]	Coal		.01		T.		.13	.03	.03			.06						.08	.45	.04						.43	.72	.27		.10		2.35
Oak Hill	New		.02		.06	.09			.08	.01		.09							.07	.32	.01					.50	1.26	.51	.04			3.06
Pineville	Gr. Kanawha							T.	.10		T.	.10			T.	.09			T.	.45	T.					.78	1.50	.57		.02	T.	3.61
Point Pleasant [2]	Ohio	T.	T.		.15			.05	.04		T.					.09	.05	.87	.63	.30	T.					.35	.72	.23		.14		3.62
Princeton [2]	New																																
Rainelle	Greenbrier	.03	.04		.25	.09			.07	.05	.15	.03			.02	.01	.01		.53	.60	.01				.02	.97	.51	.60		.01		4.00
Ravenswood [2]	Ohio			T.	.04	.02		.20	.10			T.				.05	.04	.64	.72	.29	.01					.14	.43	.20	.05	T.	.10	3.03
Richwood [2]	Gauley		.15		.27	.14				.06	.30	.24				.09		.14	.05	.36						.80	1.27	.61				4.48
Ryan	Gr. Kanawha	.07		.02	.10		.03		.05	.02	.04				.05	.07	.01	.53	.41	.01						.95	.08	.41		.06		2.91

Continued on next page.

APR 2 '52 HARDY

Daily Precipitation for January 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Seneca State Forest†	Greenbrier				.15			.18							T.	.25			.50	.48							1.25	.42	.82	.55	.20		4.89
Spencer[2]	Litl.Kanawha		.10	.02		.20		.04		T	T.			.18		.16		.65	.20	.15	T.			.03			.35	.95	T.		.18		3.21
Summersville[2]	Gauley		.17		.05	.05			.10			.05	.15			.05	T.	.10	.05	.30							.45	.97	.80	.15			3.44
Sutton	Elk	.08	.12		.10	.30		T.	.06		.05	T.			T.	.08		.62	.80	.22	T.	T.					.72	*	.70		.08		3.93
Thornwood[2]	Greenbrier	.08		.38	.33	.10		.54	.42							.44			.41	.29	.10							.28	.36				3.73
Union[2]	New					.05													.41	.29	.10						.93	.34	.46	.30		.10	3.01
Wayne[2]	Twelvepole	.20						.07	.08			.09				.21	.02	.26	.50	.18	.15						.45	.55	.20		.08		2.56
Webster Springs	Elk	.08	.25		.20	.17		.10	.08		.10		T.		T.	.10			.35								1.20	.85	T.				3.59
White Sulp'r Spgs.[2]	Greenbrier			.15					.08	T.									.46	T.						.20	.90	.18	.10		.05	.30	2.61
Williamson[2]	Big Sandy					T.	T.		.09	.02		.06				.01			.27	.01	T.						.46	.68	.24	T	.10		1.94
Winfield Locks[2]†	Gr. Kanawha		.02		.06	T.	T.		.06			.01				.15	.01	.50	.03	.30	.01						.18	.72	.15	.05	.03	.06	2.34

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Kuobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ||| Incomplete.

Daily Temperatures for January 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	36	50	52	*31*	*22*	28	34	31	25	35	37	22	27	40	50	55	55	62	41	*35*	35	48	58	66	65	28	27	28	34	41	52	40.3
	Minimum	18	29	31	22	12	11	12	24	21	8	15	20	8	-1	11	28	38	38	35	-3	-2	11	14	25	28	25	15	15	16	22	23	18.4
Beckley	Maximum	46	58	62	57	53	46	40	39	30	33	46	36	35	39	44	62	69	67	60	56	47	56	55	70	69	58	48	48	39	38	50	50.2
	Minimum	22	33	41	17	12	3	26	26	22	23	21	24	9	11	31	36	52	47	11	0	15	28	36	33	58	27	19	25	24	23	28	25.3
Bluefield	Maximum	46	55	60	55	24	33	38	33	32	35	38	35	38	40	43	59	69	68	63	34	48	58	62	68	68	63	35	42	32	39	51	47.0
	Minimum	25	34	44	22	16	14	27	29	25	27	26	29	19	20	34	41	55	53	18	4	21	36	42	38	60	33	28	28	26	24	29	29.9
Brandywine	Maximum	55	60	54	44	34	35	38	40	39	38	45	40	35	40	47	64	73	67	56	30	44	50	66	64	77	66	45	30	34	42	48	48.4
	Minimum	24	30	32	25	19	19	28	26	27	17	26	25	12	11	24	31	41	42	22	5	12	17	24	27	41	38	24	20	24	25	26	24.6
Buckhannon	Maximum	44	65	60	50	30	30	36	36	33	38	39	40	29	41	44	60	60	64	60	38	40	49	62	67	69	55	34	35	42	43	48	46.5
	Minimum	24	34	40	25	20	11	27	30	27	27	30	27	14	15	31	36	52	45	20	7	13	22	29	34	55	22	20	29	20	22	35	27.2
Cairo	Maximum	40	55	60	62	30	40	36	37	37	37	37	43	30	41	44	63	63	51	51	25	43	44	66	67	74	49	35	37	42	43	41	45.9
	Minimum	27	35	38	28	22	9	25	31	25	31	30	26	9	9	35	37	45	41	20	5	9	16	26	35	46	24	23	30	17	32	30	26.3
Charleston (Airport)	Maximum	41	64	67	45	31	35	40	34	37	38	46	43	35	45	53	66	59	70	49	32	48	59	70	77	71	31	35	38	40	46	58	48.5
	Minimum	24	34	44	26	16	12	27	29	28	31	31	15	12	14	39	51	44	32	8	6	14	23	32	39	30	23	23	32	32	33	30	26.9
Clarksburg[3]	Maximum	37	55	60	34	*33*	29	31	32	31	36	41	*30*	28	40	57	60	56	63	49	*43*	40	50	63	70	67	*41*	32	34	43	40	50	44.5
	Minimum	26	26	34	33	20	12	13	28	23	23	30	28	10	10	12	35	47	41	43	5	4	13	18	29	41	28	22	24	22	19	32	24.2
Elkins	Maximum	39	56	60	56	23	28	33	31	29	34	42	39	29	41	42	60	65	65	61	26	39	52	62	66	70	38	32	35	41	40	50	44.6
	Minimum	19	35	46	19	16	16	26	29	20	20	27	18	14	15	32	39	51	45	9	3	14	28	30	34	38	24	23	27	21	29	36	25.9
Fairmont[3]	Maximum	35	55	57	*36*	*29*	35	35	33	31	37	39	*30*	31	40	56	59	55	65	45	45	38	52	65	71	65	*39*	34	34	45	40	52	44.6
	Minimum	29	31	36	29	20	12	13	29	24	25	30	27	13	12	17	32	51	40	45	5	6	16	22	34	39	26	23	24	19	20	34	25.3
Flat Top	Maximum	37	55	59	43	19	30	31	29	25	29	36	31	31	37	42	57	66	60	54	29	44	51	61	64	63	36	29	32	29	40	48	41.8
	Minimum	19	32	43	17	12	7	23	22	20	22	22	16	10	14	30	42	42	43	3	-2	20	31	35	45	36	20	21	25	22	21	29	23.9
Gary[3]	Maximum	46	*64*	66	*33*	*31*	*34*	40	35	34	37	*46*	46	40	45	56	67	75	68	*46*	41	52	59	69	76	70	52	35	40	39	46	*58*	49.9
	Minimum	24	28	*33*	31	21	10	*10*	30	29	27	30	*30*	17	15	15	35	45	46	28	7	7	14	31	31	46	34	28	28	34	31	31	26.6
Glenville	Maximum	39	61	58	63	30	32	37	35	37	39	44	43	33	44	49	64	61	69	58	32	43	57	69	69	73	51	52	41	47	43	52	49.2
	Minimum	26	37	38	28	23	11	29	32	27	30	31	29	11	12	37	37	50	42	19	6	12	20	27	33	33	32	30	31	22	33	30	27.7
Grafton	Maximum	36	59	59	58	26	30	35	34	33	37	41	41	29	41	42	59	59	67	68	26	39	50	62	62	73	70	39	40	50	47	50	47.2
	Minimum	19	27	29	18	13	4	18	19	17	19	23	17	4	3	27	29	41	36	16	-2	4	13	21	30	41	16	15	19	14	26	27	19.5
Huntington	Maximum	42	65	68	64	34	35	38	34	39	38	47	44	37	47	52	65	65	69	56	33	47	62	72	80	74	44	35	39	37	47	60	50.6
	Minimum	30	36	42	29	23	20	28	30	28	34	31	30	16	20	38	43	44	41	20	8	17	27	34	42	44	24	23	31	32	35	31	30.0
Lewisburg	Maximum	39	60	62	55	25	32	33	39	32	35	44	39	35	40	46	63	73	63	60	30	45	54	65	65	72	63	38	39	35	39	48	47.4
	Minimum	16	30	34	22	16	9	19	27	27	23	28	28	12	8	35	26	34	39	18	0	7	18	25	30	37	35	28	28	27	26	24	23.7
Logan[3]	Maximum	44	64	68	*35*	35	35	41	37	39	38	48	41	39	44	59	68	79	68	*52*	*43*	50	60	71	79	70	*42*	35	41	43	48	60	50.8
	Minimum	31	31	35	33	24	16	16	32	31	32	31	33	19	18	20	42	52	52	43	10	10	18	32	35	42	32	25	26	33	33	35	29.7
Madison[3]	Maximum	44	64	65	45	30	35	39	42	39	38	45	39	35	51	64	69	71	68	*48*	*36*	53	59	74	75	69	41	34	42	47	47	59	50.5
	Minimum	26	31	33	29	23	13	13	29	29	29	32	30	14	15	17	40	47	48	36	7	7	14	29	32	39	30	23	24	32	32	32	26.9
Mannington	Maximum	35	54	53	59	25	30	34	34	33	37	36	40	27	40	40	58	51	60	53	29	38	49	63	69	68	49	33	35	43	39	46	43.9
	Minimum	26	27	27	23	20	8	26	30	23	23	30	23	8	6	34	33	40	39	18	1	9	17	23	35	43	21	22	26	10	32	32	23.7
Martinsburg[3]	Maximum	42	50	45	40	*33*	36	37	33	*30*	33	45	38	30	46	49	65	52	44	42	*36*	33	35	40	50	67	55	43	33	35	33	45	41.8
	Minimum	27	30	34	33	23	20	20	30	25	24	26	28	20	15	15	37	42	36	36	10	10	15	17	20	25	34	23	23	23	28	28	25.1
New Martinsville	Maximum	37	32	31	33	28	31	35	33	35	37	38	40	36	41	44	60	53	49	48	26	39	52	62	72	68	43	35	36	45	42	50	42.3
	Minimum	26	24	18	26	19	15	25	26	27	27	28	29	10	9	32	36	35	35	15	5	11	17	25	38	43	21	21	25	19	31	33	24.2
Parkersburg	Maximum	39	59	62	45	28	31	34	32	35	36	42	36	31	44	47	62	56	51	46	26	41	52	62	74	69	29	34	35	40	39	52	44.2
	Minimum	32	36	40	23	21	18	29	26	24	31	30	18	14	17	37	42	37	37	10	6	16	23	33	45	29	22	22	28	24	32	36	27.0
Pickens	Maximum	33	42	48	47	15	24	31	33	24	29	54	27	34	34	37	51	55	53	47	20	41	42	45	57	52	38	33	34	34	36	42	37.8
	Minimum	20	27	35	15	10	0	17	20	16	17	20	16	12	10	27	27	43	41	10	-9	10	31	29	43	38	18	17	17	20	22	29	20.9
Point Pleasant	Maximum	40	58	59	59	32	32	37	37	36	37	42	42	32	44	48	62	62	57	52	28	43	54	65	74	75	42	36	35	35	39	51	46.6
	Minimum	32	30	44	28	23	20	29	29	26	34	29	29	15	19	32	40	40	39	19	7	17	25	33	43	40	23	22	30	25	34	28	28.5
Rainelle	Maximum	35	56	62	55	24	32	34	32	29	32	42	38	34	*37*	44	58	69	65	57	30	44	54	64	63	67	60	32	35	*33*	33	47	45.1
	Minimum	16	30	31	20	15	-2	22	28	24	24	25	23	11	6	32	31	38	46	11	1	7	23	28	32	40	30	23	28	26	24	30	23.4
Ravenswood	Maximum	39	57	59	59	41	32	37	37	36	35	41	41	35	45	47	62	61	53	53	31	42	52	65	71	70	45	34	36	39	40	49	46.5
	Minimum	31	37	41	28	22	14	26	28	23	31	29	26	12	15	36	46	38	37	17	6	14	21	30	40	41	22	22	29	22	32	26	27.2
Romney	Maximum	43	59	56	47	28	38	37	38	34	38	48	44	35	33	41	48	63	53	48	37	35	41	43	49	75	69	30	29	32	37	52	43.9
	Minimum	21	36	31	24	19	18	27	27	28	29	26	25	15	8	30	26	31	36	37	7	8	27	17	23	29	19	20	20	23	25	29	23.9
Spencer[3]	Maximum	40	58	64	*35*	29	31	37	33	38	37	42	30	32	44	61	65	55	63	*45*	*40*	43	55	68	75	67	*55*	35	35	41	42	54	45.7
	Minimum	26	34	35	29	21	10	27	30	23	27	29	27	10	13	35	32	52	45	40	5	12	20	22	38	55	27	22	29	25	31	28	27.7
Sutton	Maximum	43	59	65	65	32	33	36	36	36	36	44	44	33	40	50	65	72	72	71	46	44	56	69	73	73	65	50	38	44	46	56	51.4
	Minimum	26	32	38	27	21	6	22	32	27	29	31	29	12	13	36	35	43	46	20	6	12	22	27	35	50	26	22	32	30	32	33	27.5
Wardensville[3]	Maximum	43	57	50	36	30	37	37	34	31	35	45	34	35	43	54	65	63	57	49	*35*	40	42	48	58	77	34	*31*	29	33	36	53	43.6
	Minimum	20	24	28	30	21	16	18	28	23	22	23	22	14	8	13	30	46	36	35	8	9	11	15	18	29	31	22	20	20	23	25	22.2
Weston	Maximum	38	59	60	58	40	30	38	34	36	38	41	42	41	42	48	62	61	66	62	30	38	51	64	62	70	65	34	36	46	45	49	47.9
	Minimum	26	35	43	38	25	18	25	28	24	30	27	24	16	17	34	48	49	41	29	9	12	23	42	40	61	30	23	27	22	37	35	30.3
Wheeling[3]	Maximum	43	43	34	*31*	*25*	31	37	32	37	37	35	*30*	25	36	53	55	42	47	47	*33*	34	48	55	67	61	*42*	35	35	41	42	48	40.7
	Minimum	34	32	31	25	21	19	19	31	17	19	30	21	14	12	15	20	42	34	33	9	10	16	21	32	42	25	20	22	24	26	36	24.3
Williamson[3]	Maximum	45	65	66	*36*	33	35	40	36	38	37	49	41	39	43	59	68	77	67	*51*	*37*	52	60	69	77	67	*41*	*36*	39	43	46	60	50.1
	Minimum	30	31	36	32	25	18	18	33	31	32	32	34	20	20	23	41	50	51	37	12	12	18	34	35	41	32	25	26	34	34	34	30.0

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 3-2-43—925)

NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

MAR 9 1943
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG, W. VA., FEBRUARY 1943 No. 2

GENERAL SUMMARY

This was the warmest February since 1939. The cold periods were the 3d-4th and the 14-18th, while a very warm period occurred from the 19th to the 24th, inclusive. Temperatures of zero or lower were quite general on the 15th and 16th, and at scattered stations in all three divisions on the 14th, 17th and 18th.

All but one station reported precipitation below normal. The State averaged 61 per cent of normal precipitation, the northeastern panhandle division 46 per cent, the northern division 66 per cent, and the southern division 60 per cent. The rains and snows were well distributed both as to amounts and as to days, with the result that the soil moisture seemed adequate. Snowfall was about 70 per cent of normal with amounts up to 27.5 inches in the mountain sections. The greatest number of snow-lying days was 23 at Spruce Knob.

Winter grains and grasses were, in most cases, protected by snow cover during the sub-zero temperatures of the 14-18th. Some early plowing was done on sandy soils, but farm work was mostly on a winter routine basis throughout the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 34.6°, or 1.3° above the normal. The mean for the northeastern panhandle division was 34.3°; for the northern division, 33.8°; and for the southern division, 35.4°. The highest monthly mean was 40.8° at Huntington and the lowest, 26.0° at Pickens. The highest temperature was 76° at Hinton on the 23d and the lowest, −13° at Kumbrabow State Forest on the 16th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 123 stations, was 1.89 inches, or 1.20 inches below the normal. In the northeastern panhandle division the average was 1.09 inches; in the northern division, 2.14 inches; and in the southern division, 1.90 inches. The greatest monthly precipitation was 4.55 inches at Kumbrabow State Forest, and the the least, 0.29 inch at McNeill. The greatest amount in any 24 consecutive hours was 1.04 inches at Rowlesburg on the 25th. The average monthly snowfall was 5.7 inches, or 2.7 inches below the normal. The greatest monthly snowfall was 27.5 inches at Pickens. The average number of days with .01 inch or more of precipitation was 11.

William E. Ryan

Mr. William E. Ryan, cooperative observer at Ryan, W. Va., since the establishment of the station October 19, 1902, died February 17, 1943, at the age of 84. Although inactive of late years, he was a farmer and business man, a former member of Roane County Court and for fifty years a member of the County School Board. He has left a lasting climatological record for southwestern Roane County. His passing is noted with deep regret.

Edward. J. Kells

Mr. Edward J. Kells, cooperative observer at the Clarksburg Water Board Station at Salem, W. Va., since its establishment April 7, 1937, died suddenly January 5, 1943. He was born in Toronto, Ont., May 28, 1870. He was a retired oil company field foreman and a Representative to the West Virginia House of Delegates. He started the first precipitation record for western Harrison County. His neat and accurate records will be missed.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	1	2	2	7	2	..	..	3	..	..	..	1	..	..	..	..	..	..	1	3	11	32	27	5	..	3	..	..	..	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	3	..	1	1	..	16	17	4	1	3	6	2	9	17	2	..	..	..	..	..	1	1	..	1	..	10	7	12	..	..	..
Hail	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	1	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	3	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	5	1	..	..	16	2	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.64	18	29.39	6	10.0	28	sw.	6	81	55	64	60	824
Columbus, Ohio	30.68	18	29.37	6	12.9	44	sw.	6	82	59	70	55	897
Elkins	30.67	18	29.45	6	8.3	29	sw.	6	80	63	73	33	925
Huntington Airp't	30.68	18	29.47	6	.....	27	sw.	1	82	58	73	....	799
Parkersburg	30.70	18	29.42	6	7.8	26	nw.	7	78	59	62	40	812
Pittsburgh, Pa	30.68	18	29.37	6	14.0	35	w.	28	80	62	62	47	871

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	..	.....	2.09	5.23	5.79	5.39	.....	..	..	..	..
1892	37.1	72	−12	1.82	2.62	2.61	2.30	.....	9	..	..	..
1893	35.0	71	−6	3.68	5.11	4.68	4.81	.....	12	..	..	..
1894	33.4	74	−5	3.25	3.89	4.09	3.99	.....	10	9	7	12
1895	22.8	79	−17	1.13	1.23	1.09	1.27	.....	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	.....	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	.....	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	.....	9	10	8	10
1899	26.1	69	−35	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	.31	.97	.95	.86	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	5.99	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.32	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	9	8	11
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	− 5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	− 3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	41.6	86	7	2.83	2.88	3.84	3.22	.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	.59	1.04	1.02	.96	9.3	8	8	8	12
1942	29.3	66	−14	1.50	2.51	2.14	2.22	6.9	10	8	6	14
1943	34.6	76	−13	1.09	2.14	1.90	1.89	5.7	11	8	9	11
Period	33.3	86	−35	2.37	3.22	3.18	3.09	8.4	10	8	7	13

Climatological Data for February 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	26.4	−3.2	65	23	−11	18	2.31	−1.19	.55	25	12.5	13	9	5	14	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	35.6	.....	71	23	1	15	1.21	.....	.30	§5	2.0	11	12	5	11	w.	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	34.4	−0.3	68	23	0	15	1.27	−0.49	.50	5	3.0	6	19	0	9	s.	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	....	..	1.73	−0.53	.39	12	.2	10	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	37.1	.....	73	24	1	15	1.86	.....	.36	11	T.	8	12	9	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	36.2	+2.3	73	23	2	§15	1.31	−1.05	.66	11	....	6	8	14	6	w.	University Exper. Station
Martinsburg	Berkeley	435	43	35.4	+4.0	74	23	0	15	1.65	−1.75	.50	6	2.0	11	17	9	2	w.	Dr. H. S. Gardner
McNeill	Hardy	800	47	35.6	+3.3	75	23	0	§17	.29	−1.84	.17	6	T.	2	10	7	11	w.	R. E. Saville
Piedmont	Mineral	1,053	27	33.0	−0.8	70	23	−1	16	.60	−1.64	.37	6	1.0	6	7	13	8	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	34.4	+0.2	73	23	−1	15	1.06	−0.84	.32	11	T.	11	10	5	13	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	....	..	1.83	−1.02	.45	14	15.0	10	3	3	22	w.	Fred Becker
Wardensville	Hardy	1,200	21	32.5	−1.3	72	23	0	15	.51	−1.20	.24	11	0.5	7	15	8	5	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	....	..	1.99	−1.11	.60	11	3.6	13	2	15	11	w.	L. Esle Bond
Benson	Harrison	1,080	18	35.0	−3.0	68	23	−6	15	2.10	−1.61	.65	11	7.0	12	5	19	4	.....	R. D. Marts
Bens Run	Pleasants	652	42	35.6	+2.8	97	23	1	15	1.35	−1.76	....	....	2.4	12	18	6	4	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	28.1	.....	67	9	−10	16	2.84	.....	.50	4	16.5	14	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	36.8	−0.8	72	24	−7	15	1.76	−1.31	.60	11	3.0	12	8	12	8	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	35.2	+2.1	67	9	−4	15	2.90	−0.86	.80	6	7.5	8	10	8	10	.....	H. A. Darnall
Cairo	Ritchie	680	34	36.4	+2.2	70	11	−3	15	1.63	−1.34	.85	11	2.7	11	5	12	11	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	32.0	−2.6	66	§10	−2	§15	1.88	−1.16	.55	11–12	6.0	14	6	8	14	w.	Clarksburg Water Board
Creston	Wirt	640	42	38.2	+3.5	70	§24	−6	15	2.30	−0.89	.84	11	7.2	15	4	14	10	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	....	..	1.40	−1.47	.39	11	2.5	13	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	....	..	2.13	−0.30	.57	11	....	14	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	....	..	1.65	−1.34	.41	24–25	4.0	14	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	....	..	1.47	−1.10	.66	11	.2	13	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	..	....	..	2.05	−0.71	1.00	11	.4	8	..	..	..	.....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	615	32	....	.....	..	..	....	..	1.86	−1.00	.90	11	....	6	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	31.9	+0.3	67	23	−4	15	2.12	−0.96	.39	10–11	11.9	15	4	5	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	33.4	+0.3	72	23	−2	15	1.46	−1.56	.25	24	4.6	14	6	7	15	w.	J. C. Robinson
Glenville	Gilmer	738	55	37.4	+2.8	71	§10	−1	15	2.51	−1.06	.54	11–12	1.0	16	9	12	7	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	32.6	0.0	69	§10	−11	16	1.98	−0.93	.45	12	7.0	16	9	2	12	.....	L. W. Clayton
Grantsville	Calhoun	900	1	36.3	.....	69	23	−3	15	2.32	.....	.68	11	4.2	10	2	17	9	n.	James Roberts
Harrison County Airport	Harrison	1,188	3	33.2	.....	68	23	−1	§14	1.74	.....	.51	10–11	2.8	12	2	9	17	s.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	....	..	2.26	.....	.89	11	6.0	15	10	6	12	nw.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	....	..	2.13	−0.64	.62	11	....	14	..	..	..	.....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	....	.....	..	..	....	..	....	.....	....	....	....	..	..	..	..	.....	Mrs. Gladys Edmonds
Mannington	Marion	974	41	34.0	+1.2	68	23	−9	16	1.98	−0.92	.60	11	5.3	16	5	9	14	w.	James A. Morgan
Middlebourne	Tyler	750	2	32.6	.....	69	23	−2	§15	1.36	.....	.67	11	.5	6	4	6	18	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	43	....	.....	..	..	....	..	....	.....	....	....	....	..	..	..	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	33.7	+4.6	69	23	−5	16	1.50	−0.94	.48	10–11	4.2	10	8	2	18	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	35.2	+1.7	69	23	−4	16	1.87	−0.97	.64	11	2.7	8	14	8	6	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	36.0	+1.8	69	23	4	15	1.57	−1.56	.74	10–11	2.4	12	7	9	12	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	33.5	+1.8	68	10	−5	16	2.97	−0.55	.66	11	13.3	18	3	6	19	.....	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	..	....	..	1.84	−1.34	.34	11	10.3	13	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	26.0	−5.9	55	20	−12	15	3.73	−1.36	.57	11	27.5	13	6	8	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	....	..	2.10	−1.28	.63	11	5.0	10	6	6	16	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	31.9	.....	68	10	−3	§15	3.58	−0.07	1.04	25	11.5	15	12	1	15	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	....	..	1.97	−0.96	....	....	....	12	..	..	..	.....	Edward Hughes
Terra Alta	Preston	2,559	37	....	.....	..	..	....	..	....	.....	....	....	....	..	..	..	..	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	..	....	..	3.92	+0.36	.82	25	16.2	15	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	36.2	−2.3	69	§23	−5	15	1.98	−1.09	.67	11	3.0	12	6	10	12	w.	S. A. Spence
Wellsburg (near)	Brooke	668	43	32.4	+2.4	69	23	−10	16	1.69	−0.50	.65	11	4.0	5	11	8	9	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	....	..	2.31	−1.02	.40	12	5.5	16	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	38.0	+4.1	69	25	−3	15	2.45	−1.15	.55	11	5.3	15	..	..	..	.....	J. Arthur Henry
Wheeling (12)	Ohio	659	44	32.3	+0.2	65	23	0	§15	1.82	−0.47	.73	11	4.9	13	6	5	17	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	....	.....	..	..	....	..	2.02	−0.85	.46	11	7.2	10	9	12	7	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	35.7	+1.0	69	23	−5	15	2.23	−0.72	.48	3	10.4	12	9	12	7	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	38.6	+3.8	66	§23	−1	15	2.10	−0.83	.46	11	7.5	12	9	3	16	.....	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	5	36.8	.....	72	10	3	15	2.12	.....	.83	10–11	3.9	13	4	11	13	w.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	..	....	..	1.89	−1.37	.67	11	2.1	12	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	30.6	.....	62	§23	−7	15	2.01	.....	.35	4	9.8	17	6	12	10	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	36.6	−1.3	71	23	0	§15	1.95	−1.19	.77	11	2.0	12	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	....	.....	..	..	....	..	....	.....	....	....	....	..	..	..	..	.....	State Forest Nursery
Hamlin	Lincoln	641	..	....	.....	..	..	....	..	....	.....	....	....	....	..	..	..	..	.....	James J. Jeffries
Hinton	Summers	1,431	43	36.9	+1.4	76	23	1	15	1.43	−1.46	.30	4	2.5	15	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	40.8	+6.1	72	23	5	15	1.55	−1.53	.89	11	3.6	11	4	10	14	w.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	....	..	2.19	−1.25	.96	11	7.0	9	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	33.8	+0.5	67	23	−2	16	2.13	−0.66	.50	11	7.3	10	8	15	5	w.	James B. Stuart
Logan	Logan	700	32	38.4	−1.1	74	23	4	§15	2.10	−1.40	.84	11	.5	11	1	12	15	.....	Paul A. Simonds
London Locks	Kanawha	623	8	35.5	.....	69	10	7	§15	2.09	.....	.58	11	1.6	12	7	11	10	n.	Lockmaster
Madison	Boone	675	21	36.8	+0.2	70	23	0	§15	2.61	−0.62	.85	11	....	14	0	17	11	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	32.8	.....	67	23	−2	16	1.71	.....	.38	11	7.3	13	6	1	21	.....	W. E. Holy
Pineville	Wyoming	1,350	1	38.2	.....	74	23	3	§15	2.24	.....	.81	11–12	4.6	12	..	..	..	.....	Charles Dameron
Point Pleasant	Mason	595	44	38.1	+4.7	67	§10	4	15	1.52	−1.63	.33	11	1.7	15	..	..	..	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	31.6	−1.9	66	23	−9	18	2.31	−1.90	.55	11	15.5	17	10	3	15	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	36.4	−2.4	65	23	0	15	1.44	−1.53	.68	11	.2	8	10	3	15	nw.	Lockmaster
Richwood	Nicholas	2,193	12	32.2	−2.3	69	23	−4	15	2.45	−1.67	.70	11	6.4	15	15	3	10	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	1	37.6	.....	71	§10	−1	14	2.14	.....	.59	11	8.5	12	8	7	13	.....	Sattis Simmons
Ryan	Roane	700	40	34.2	−0.1	67	10	−7	15	2.34	−0.94	.77	11	4.1	13	6	10	12	.....	Wm. E. Ryan
Seneca State Forest	Pocahontas	2,650	4	29.4	.....	68	23	−12	16	1.93	.....	....	....	2.5	10	16	7	5	w.	Supt., State Forest
Spencer	Roane	789	40	36.2	+1.0	69	23	−4	15	2.70	−0.45	.68	12	5.0	15	5	9	14	sw.	A. M. McKown
Summersville	Nicholas	1,900	7	31.8	.....	67	23	−4	17	1.82	....	.45	1	8.5	12	7	9	12	.....	A. E. Dorsey
Sutton	Braxton	850	39	38.1	+2.0	72	§23	−3	15	2.04	−1.46	.55	11	7.0	11	..	..	..	.....	C. B. Eakle
Union	Monroe	2,200	32	33.4	−1.8	70	23	−1	15	1.33	−1.52	.45	11–12	3.3	10	..	..	..	.....	C. B. King
Webster Springs	Webster	1,500	11	37.8	.....	71	23	0	15	1.95	.....	.78	11	4.0	7	9	13	6	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	32.8	−2.7	68	23	−2	§15	1.70	−0.93	.40	5	3.5	12	14	2	12	.....	Ashford General Hospital
Williamson	Mingo	673	35	38.7	+1.3	71	23	6	15	1.89	−1.46	.80	11	3.0	11	7	12	9	se.	J. E. Dotson
Winfield Locks	Putnam	571	5	36.5	.....	70	§10	5	16	1.46	.....	.68	11	.5	8	9	6	13	sw.	Lockmaster
State averages and extremes		.....	..	34.6	+1.3	76	23	−13	16	1.89	−1.20	1.04	25	5.7	11	8	9	11	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates.

Daily Precipitation for February 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac				.35	.15	.16	.19	.04			.30	.06	.05	.12	.05										.55	.08	.21					2.31
Brandywine	do				.10	.50	.12				T.	.25		.10											T.		.20					1.27
Brushy Run [2]	do				.02	.05	.15	T.				.15	T.	T.	T.											T.	.05	T.					.42
Harpers Ferry [2]	do				.15	.05	.25	.10				.23	.39		.16							.05					.17		.18				1.73
Inwood	do				.25		.35	.10				.36		.35	.05										.10	T.	.30						1.86
Kearneysville	do				.10	.02	.35				T.	.66													.11		.07						1.31
Knobly Mountain [2]†	do				T.	.02	.40	T.	T.			.22		T.	T.	T.											.15		T.				.79
Martinsburg [2]	do	.15			.05	.03	.50	.10				.22		.25	T.	T.						.05				.05	.05	.20					1.65
McNeill†	do			T.	T.	T.	.17				T	.12	T.	T.								T.		T.	T.							.29
Petersburg	do					.04	.21					.11		.02											.10								.48
Piedmont	do				.08		.37	T.			.01			.09	T.	T.	T.								.03		.02	T.					.60
Romney	do																																
Spruce Knob [2]†	do	T.			.27	.19	.11	.13	.04		T.	.29	.06	.13	.18							T.			.32	.13	.04						1.06
Stony River Dam [2]†	do					.07	.23	.19				.15		.06	.45	.18						.08				.12	.30						1.89
Wardensville [2]	do				.02	.02	.09	.05				.24	.06	T.												.03	T.						1.83
Northern Division																																	.51
Aberdeen†	West Fork	.05		T.	.13	.20	.27	.03			T.	.60		.10	.05	T.	.02				T.	.15	T.		.29	T.	.05	.05					1.99
Belington [2]	Tygart	.22	T.		.09	.19	.15	.16	T.			.44	.14	.12	.10	.02	T.	T.	T			.15	T.	T.		.40	.03	.06	T.				2.27
Benson†	West Fork	.15			.12		.29	.02				.65		.10	.05						.05	.27			.25		.10	.05					2.10
Bens Run	Ohio	.11		T.	.11		.14				*	.50	*	.09		T.					.02	.15			.18		*	.05					1.35
Big Skin Creek†	West Fork	.07			.33	T.	.25	.01			.03	.65		.05	.09										.50		T.	.10					2.08
Brandonville	Cheat	.34			.50		.15	.15	.03		.32		.08	.13	*	.16						.12		.28		T.	.38	.20					2.84
Brownsville†	West Fork	.11			.14	.13	.30				.02	.60		.10	.06							.06			.15		.01	.08					1.76
Buckhannon	Tygart					T.	.80	.05				.75		.30	T							.15			.50		.20	.15					2.90
Cairo	Litl.Kanawha	.14			.03		.14	T.				.85		.04	.04	.01					.05	.10			.21		T.	.02					1.63
Clarksburg [2]	West Fork	.11			.09	.05	.15	.05				.49	.06	.10	.25	.02	T.					.20			.01	.25	T.	.05					1.88
Crawford	do	.07			.03	.18	.27	T.			.02	.57	.20	.06							.03	.17			.41		.06	.02					2.09
Creston [2]	Litl.Kanawha	.20			.10	.02	.21	.12				.84	.03	.11	.12	.03		T.				.24	.02		.20	.01		.05					2.30
Dailey [2]†	Tygart	.20			.13	.24	.22	.04	T.			.30	.10	.04	.07	T.	T.	T.				.05				.28	.05	.05	T.				1.77
Dam 10, Mon. R. [2]†	Monongahela	.11			.11	.02	.06	.10				.39	.09	.03	.03	T.			T.			.12			.06	.24	T.	.04					1.40
Dam 13, O. R. [2]†	Ohio	.10			.07	.09	.04	.34				.57	.07	.20	.04		.01					.06			.15	.34		.05					2.13
Dam 15, Mon. R. [2]†	Monongahela	.12			.09	.02	.05	.11	T.			.40	.10	.02	.10	.02						.16			.03	.38	T.	.05					1.65
Dam 19, O. R. [2]†	Ohio	.12			.07	.01	.05	.13			.04	.66	.02	T.	.03	T.	T.					.13			.15	.05		.01					1.47
Dam 20, O. R. [2]†	do	.45			.05	T.	T.	.12			T.	1.00	T.	T.	.03	T.	T.					.20	T.		.18			.02					2.05
Elizabeth (Dam 3) [2]	Litl.Kanawha	.19			.11		.12					.90										.19			.35								1.86
Elk†	West Fork				.12		*	.60			.10	.48																					2.00
Elkins [1]†	Tygart	.12	T.	T.	.17	.13	.20	.07			.03	.38	T.	.24	.14	.01	T.	T.	T.	T.	.07	.08			.40		.10						2.12
Fairmont [2]	Monongahela	.03			.15		.12	.02	T.		.11	.20	.10	.10	.05	T.			T.			.12		T.	.31	T.	.14	.03					1.46
Glenville [2]	Litl.Kanawha	.12			.04	.26	.12	.41				.08	.46	.12	.14	.06	.08					.22	.04		.25	.07	.02	.12					2.51
Grafton	Tygart	.12			.20			.22			.01	.05	.45	.08	.21	.03	.01		.02			.20			.10	.12		.14					1.98
Hackers Creek†	West Fork	.10		.01	.20		.10	.15			.01	.40		.19	.03						.05	.20			.25	.01	.02	.10					1.86
Hall [2]	Tygart	.13			.15	.16	.13	.18	T			.44	.11	.09	.07	.08	T.	T.	T.			.43			.32		.10						2.52
Harrison Co. Airport [2]	West Fork	.06		.01	.22	.08	.11	T.			.12	.39	T.	.13	.03	T.	T.									.46	.05	.09	T.				1.74
Hastings	Ohio	.17		.20	.08	.02	.20	T.			.02	.89	.02	.06	.02						.23				.32		.04	T.	T.				2.26
Horner	West Fork	.35					.50	.10					.08	.10	.05				.15						.45		.15						1.93
Ireland	do																				.03	.12	.04		.29		.10						2.25
Jane Lew	do	.15			.13	.21	.31				.04	.62		.08	.04		.02				.02	.22			.20		.01	.08					2.13
Kumbrabow St. For.†	[2]Tygart	.51		.11	.25	.34	.44	.11	.03		.03	.40	.17	.45	.36					.08	.30	.30			.07		.22	.38					4.55
Mannington	Monongahela	.17		.01	.09		.17	.01			.02	.60	.04	.14	.10	T.					.08	.16		T.	.24	.01	.07	.07					1.98
Middlebourne	Middle Is. Creek	.11			T.			.12				.67	T.	T.	T.	T.	T.	T.	T.		.07	.19			.20		T.	T.					1.36
Midvale [2]†	Tygart	.13			.08	.19	.12	.09	.06			.52	.02	.17	.14	.03						.38				.49	.02	.03	T.					2.47
Morgantown	Monongahela																																
Mt. Clare	West Fork	.04		T.	.20		.25	.02			.03	.52	T.	.04	.03	.02	T.	T.		.04	.18				.31	.07	.02						1.77
New Cumberland	Ohio	.08			.12		.27		T.	T.	.07	.41	.06	.13	.03						T.	.10	T.		.30		T.		.03				1.50
New Martinsville	do	.40		T.	.09		.30	T.			T.	.64	T.	.16	.05						T.	.10			T.		T.	.13					1.87
Parkersburg [1]‡	do	.02		.04	.06	T.	.20	T.			.52	.25	.02	.03	T.	T.	T.				.14	T.			.21		.07	.01					1.57
Parsons	Cheat	.18		T.	.18	.20	.31	.06			.02	.66	T.	.14	.14	.09	.02		.02		.05	.14			.56	.03	.05	.12					2.97
Philippi [2]	Tygart	.09			.14	.18	.15	.08	T.			.84	.09	.05	.05	T.	T	T.	T.			.26			T.	.29	.07	.05	T.				1.84
Pickens	do	.34					.24	.16				.57		.38	.36	.04				.42	.35	.20			.30		.22	.15					3.73
Roanoke	West Fork	.09		T	.32	.13	.30	T.				.63		.07	.05	T.	T.								.44		.05	.02					2.10
Rockford †	do	.09		T.	.28		.10					.49		.05	T.	T.					.02	.21			.31		.01	.03					1.59
Rowlesburg [2]	Cheat	.25			.15	.43	.25	.13	T.			.26	.23	.10	.12	.05			T.			.25				1.04	.08	.20	.04				3.58
Saint Marys [2]	Ohio	.20			.08	.05	.03	.10				*	*	*	.80							.19			*		*	.52					1.97
Salem	West Fork			T.	.17		.52	.05				.20		.08	.12						.10				.22		T.	T.					1.46
Shinnston	do					T.	.20	T.			T.	.10		.10	T.						.30			.25			.20					1.15
Terra Alta†	Cheat																																
Thomas [2]	do	.28			.09	.46	.24	.32				.33	.27	.07	.26	.14	T.					.25				.82	.06	.31	.02				3.92
Valley Chapel	West Fork	.10		T.	.09	.18	.30	T.			.02	.67		.08	.03	T.					.04	.21			.25		.01	T.					1.98
Valley Head [2]	Tygart	.33			.18	.20	.08	.10	.06			.39	.20	.12	.17	.07	T.					.15				.17	.12	.16					2.50
Vandalia†	West Fork	.13			.09		.11	.16				.57		.07											.48		.13	.08					1.82
Wellsburg (near)	Ohio				.25		.12	T.			T.	.65	T.	.13	T.						T.				.54		T.						1.69
West Milford	West Fork	.20		.02	.12	.04	.30	.04			.05	.11	.40	.10	.19	.02					.05	.30			.30			.07					2.31
Weston [2]	do	.15			.18	.23	.26	.10	T.			.55	.15	.06	.15	.04	.01	T.				.18				.23	.04	.12	T.				2.45
Wheeling (Dam 12) [2]	Ohio	.06			.04	.04	.03	.20				.73	.06	.18	.01							.11			.25	.07		.04					1.82
Southern Division																																	
Arbovale [2]	Greenbrier	.16		T.	.22	.10	.30	.08	T.		T.	.46		.16	T.	T.					T.				.23	T.	*	.31					2.02
Beckley	New			.48	.09	.25	.10	T.				.12	T.	.20	.11	.08					.28	.33			.04	T.	.15						2.23
Bluefield	New	.40		.14	.31	.16	.14	.02				.46	.10	.07								*	*		T.			.30					2.10
Camden-on-Gauley [2]	Ganley	.18			.12	.16	.14		.03			.69	.03	.10	.04	.03						.12			.09	.05	.04	.11					1.98
Charleston (Airport) [4]	Gr. Kanawha	.04		.12	.05	.22	.11				.42	.41	.01	.06	T.	T.	T.				.45	.06			.07		.10						2.12
Clay [2]	Elk	.10			.10	.22	.10	T.	T.			.67	.06	.08	.04	T.						.38	.03		T.	.09		.02					1.89
Flat Top [4]	New	.14		.21	.35	.08	.08	T.			.04	.30	.01	.32	.02	.05	.02					.30	.02		.03		.03	.01					2.01
Gary [2]	Big Sandy	.11			.21	.30	.08	.03				.77	.08	.07	.05	T.	T.					.14	.04					.07	T.				1.95
Greenbottom [2]†	Ohio																																
Hinton [2]	New	.03			.30	.28	.03	.08			.01	.22	.01	.09	.03	.06						.11	.08			.01		.09					1.43
Hogsett [2]	Ohio	.05			.17	.03	.10	.13			.02	.95	T.		.01							.12	T.		.12								1.70
Huntington	do	.06		.10			.10	T.			.03	.89		.06	.02	.01	T.				.12	.11			T.		.05	T.					1.55
Kayford [2]	Gr. Kanawha				.20	.20						.96	.06		.20	.07						.10				.28		.12					2.19
Lewisburg	Greenbrier			.20	.12	.28	.08					.50		.20	T.						T.	.10	.05			.45	.15						2.13
Logan [2]	Guyandot	.09		T.	.24	.10	.07	.08				.84	T.	.08	.03	T.	T.	T.			T.	.33	.20	T.	T.	T.		.04					2.10
London Locks [2]†	Gr. Kanawha	.22			.23	.15	.15	.12				.58	T.	.14	.03	T.	.01					.42	T.				.02	.02					2.09
Madison [2]	Coal	.10		T.	.19	.13	.15	.14	T.			.85	T.	.07	.08						.09	.50	.07		.01	.14		.09					2.61
Oak Hill	New	.16			.19	.14	.02					.38	.11	.06	.06	.06	.01					.15				.21		.16					1.71
Pineville	Gr. Kanawha	.10			.34	.21						.56	.25	.10	.08	.04	.02					.34	.03			T.		.17					2.24
Point Pleasant [2]	Ohio	.17		T.	.28	.03	.07	T.			.14	.33	.02	.02	.02						.02	.22	.03	.01	.15		T.	.01					1.52
Prince [2]	New				.10							.70	.22		.23	.08	T.	T.	T.	T.		.11				1.	T.	T.					1.44
Rainelle	Greenbrier	.18		.22	.04	.11	.19	T.			T.	.55	.02	.10	.19	.07	.04				.02	.12	.02		.14	T.	.07	.23					2.31
Ravenswood [2]	Ohio	.10			.10	T.	.05	.10			T.	.68		T.	T.							.23			.16	T.		.02	T.				1.44
Richwood [2]	Ganley	.23			.14	.18	04	.09	.05			.70	.04	.11	.12						.07	.05				.39	.04	.20					2.45
Ryan	Gr. Kanawha	.10		.03	.32	.01	.50					.77		.10	.03		.01				.03	.34			.08		.02					2.34

Continued on next page.

Daily Precipitation for February 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Seneca State Forest†	Greenbrier	.11			*	*	*					1.05	T.		.10							.46			.10		.08	.02					1.93
Spencer [2]	Litl.Kanawha	.11			.22	.31	.33	.10				.04	.68	.10	.06	T.					.27	.16	.17		.05	.06		.04					2.70
Summersville [2]	Gauley	.45			.05	.10	.08	.10				.10		.15	.20	.10					.07	.30			T.	.30		.15					1.82
Sutton	Elk	.18		T.	.12		.27				.05	.55		.22	.07							.31			.10		T.	.10				2.04
Thornwood [2]	Greenbrier			T.	.22	.20	.12	.06			T.	.26	.02	.01											.18	.10	.13	.01				1.31
Union [2]	New	.03			.20	.25	.15					.30	.15		.05						T.		.10				.05	.05				1.33
Wayne [2]	Twelvepole	.07			.28	.04	.24	.10			.01	.95			.20	.02						.32						.02				2.25
Webster Springs	Elk			.42			.12	T.				.78		.17			.05				T.					.33		T.	.08			1.95
White Sulp'r Spgs. [2]	Greenbrier				.20	.40	.10	.05				.35	.20		.02	.05						.10	.05					.10	.08			1.70
Williamson [2]	Big Sandy	.10				.06	.03	.06				.80	.06		.10		.01					.55	.10						.02			1.89
Winfield Locks [2]†	Gr. Kanawha	.07			.13		.22	.13				.68		T.	T.	T.						.18				T.	.04		.01			1.46

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured in the next measurement. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for February 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	25	30	47	55	48	59	*31*	39	48	48	31	31	27	*14*	10	18	30	37	51	51	52	55	65	50	34	31	35	41				39.0
	Minimum	25	16	2	8	32	31	20	20	17	19	29	14	14	−6	−10	−8	−2	−11	−10	31	38	29	21	22	22	19	4	4				13.9
Beckley	Maximum	49	41	39	56	53	56	45	52	62	64	60	41	34	28	25	21	37	48	56	60	54	57	69	65	58	54	46	47				49.2
	Minimum	24	16	19	36	34	39	23	26	27	41	18	12	16	−3	−5	0	7	12	22	36	40	39	33	43	26	17	4	21				22.2
Bluefield	Maximum	52	39	42	53	53	54	*49*	56	62	62	63	40	38	27	*24*	19	38	*47*	53	54	*51*	*56*	66	66	64	62	32	47				48.9
	Minimum	31	21	26	40	42	49	25	*30*	38	44	22	20	24	*1*	−1	4	13	20	*26*	41	*42*	*39*	39	53	51	30	6	*15*				28.2
Brandywine	Maximum	42	44	38	45	50	57	46	51	53	61	47	42	35	26	16	22	38	48	59	60	64	65	68	55	54	42	40	50				47.1
	Minimum	24	22	9	28	34	36	28	24	20	28	27	19	22	3	0	3	4	7	22	28	35	29	26	36	31	23	11	26				21.6
Buckhannon	Maximum	48	35	48	59	55	60	43	43	67	65	60	62	32	26	11	16	32	32	50	60	60	55	65	55	40	40	30	45				46.2
	Minimum	30	20	23	46	34	43	26	27	28	37	24	16	26	3	−4	−1	1	7	19	34	46	38	30	30	30	26	13	25				24.2
Cairo	Maximum	51	38	46	61	62	59	52	48	51	68	70	33	38	38	13	18	36	40	60	65	66	55	69	69	53	42	34	43				49.2
	Minimum	30	16	19	38	37	42	29	20	24	32	25	14	27	5	−3	−2	6	8	16	29	38	40	28	44	30	27	14	26				23.5
Charleston (Airport)	Maximum	52	46	57	64	54	61	45	56	63	72	42	40	36	15	19	25	43	49	62	67	58	60	71	66	44	39	38	52				49.9
	Minimum	21	18	22	40	35	32	28	22	28	41	19	16	12	6	3	8	15	14	21	35	38	37	36	36	29	16	14	22				23.7
Clarksburg [3]	Maximum	35	37	53	60	51	62	39	45	50	66	33	41	32	*15*	12	23	33	38	55	62	57	56	66	60	40	37	37	47				44.4
	Minimum	30	20	18	19	30	30	27	27	23	29	32	17	15	4	−2	−1	−2	7	5	11	40	36	27	27	28	26	14	14				19.7
Elkins	Maximum	48	34	45	58	50	59	34	43	50	63	46	32	33	11	8	13	30	40	53	59	56	57	67	60	34	34	30	43				42.5
	Minimum	25	21	16	41	33	28	24	26	24	36	20	19	11	−3	−4	−2	1	5	20	37	44	36	29	32	25	14	9	30				21.3
Fairmont [3]	Maximum	34	39	48	62	52	62	37	47	48	68	32	36	37	*17*	18	23	33	42	59	65	62	60	72	59	43	38	37	48				45.6
	Minimum	30	19	18	22	30	30	27	27	27	29	30	16	17	3	−2	0	2	7	7	25	44	39	28	30	29	29	13	15				21.1
Flat Top	Maximum	40	36	39	50	45	52	35	47	59	61	40	36	26	7	10	15	33	41	50	55	47	54	62	62	38	32	29	44				40.9
	Minimum	20	16	17	38	34	22	21	28	33	38	15	11	5	−6	−7	−1	13	13	32	40	40	29	29	30	25	6	2	22				20.2
Gary [3]	Maximum	41	44	*52*	*61*	56	60	43	58	67	67	*30*	40	31	*23*	22	24	42	50	59	64	56	63	71	66	48	48	45	51				49.6
	Minimum	31	19	20	*28*	*40*	43	30	28	28	36	33	18	23	5	0	0	9	11	18	21	30	38	32	32	35	*33*	11	11				23.7
Glenville	Maximum	54	44	49	64	55	60	44	40	55	71	65	34	36	28	21	23	38	46	61	67	68	59	71	70	44	40	35	49				49.7
	Minimum	31	21	21	48	31	42	29	24	23	33	25	17	26	5	−1	5	7	12	19	31	43	38	29	43	32	27	14	29				25.1
Grafton	Maximum	50	36	47	61	60	64	50	46	49	69	69	34	35	30	13	19	33	40	54	61	60	55	69	69	45	42	36	41				47.8
	Minimum	24	15	12	33	23	40	20	20	17	29	17	13	20	−5	−10	−11	0	−5	11	26	39	31	23	37	22	20	6	18				17.3
Huntington	Maximum	57	49	53	65	55	58	48	59	63	70	70	38	37	28	23	27	45	48	63	70	65	62	72	69	44	41	37	54				52.5
	Minimum	30	23	27	51	35	41	31	27	32	44	26	23	28	8	5	8	19	17	25	45	47	38	32	43	30	28	15	36				29.1
Lewisburg	Maximum	45	41	40	49	49	59	49	53	58	54	58	38	34	24	16	19	38	47	56	61	57	61	67	66	54	39	32	49				46.9
	Minimum	29	18	11	32	34	35	27	23	22	29	25	14	14	2	−1	−2	0	11	16	26	31	38	19	42	30	24	9	19				20.6
Logan [3]	Maximum	43	49	54	63	57	58	48	62	66	72	*34*	43	31	*22*	23	27	45	54	62	69	63	57	74	68	50	41	40	53				51.0
	Minimum	33	22	22	28	40	40	32	29	29	34	31	22	22	7	4	4	10	17	23	26	36	43	37	37	35	32	14	15				25.9
Madison [3]	Maximum	41	45	58	57	58	66	45	57	64	69	35	47	37	*20*	22	26	43	50	59	67	58	57	70	65	48	41	50	52				50.2
	Minimum	31	19	19	26	34	36	31	24	24	33	28	19	20	4	0	0	8	17	17	22	45	40	35	35	33	29	13	15				23.5
Mannington	Maximum	50	36	44	58	56	60	43	45	47	65	64	34	33	26	16	19	34	39	56	62	62	59	68	66	42	38	31	49				46.5
	Minimum	30	17	14	37	26	41	27	27	20	31	25	12	26	2	−4	−9	5	−1	14	28	37	37	27	40	26	26	12	27				21.4
Martinsburg [3]	Maximum	47	40	37	48	50	41	40	45	48	45	50	40	41	22	16	24	41	37	60	70	68	65	74	70	58	43	35	67				47.2
	Minimum	29	27	13	14	35	38	32	32	25	30	35	23	22	13	0	2	3	13	12	22	37	34	33	34	35	28	20	19				23.6
New Martinsville	Maximum	50	40	45	60	54	58	42	49	48	66	65	35	33	28	20	22	35	41	59	64	62	62	69	63	41	36	32	56				47.7
	Minimum	28	21	19	43	26	38	25	26	23	33	23	14	24	2	−3	−4	14	5	17	31	37	38	30	38	25	23	12	28				22.7
Parkersburg	Maximum	48	41	55	57	53	58	41	50	51	68	42	34	35	14	15	22	36	42	60	66	53	60	69	64	39	35	35	49				46.1
	Minimum	29	24	26	49	32	30	29	26	31	40	25	20	13	5	4	6	19	12	24	50	39	35	30	35	31	19	14	28				25.9
Pickens	Maximum	40	29	44	45	52	47	30	31	47	42	23	30	32	13	5	10	30	28	45	55	51	47	52	47	40	25	30	40				36.1
	Minimum	17	13	12	39	39	18	18	13	23	15	11	4	13	−7	−12	0	0	−2	18	33	37	35	37	31	21	−7	3	25				16.0
Point Pleasant	Maximum	50	42	50	55	54	54	45	51	52	67	67	36	36	28	17	24	40	43	59	62	62	56	66	66	43	41	35	48				48.2
	Minimum	28	24	26	50	32	44	30	28	31	39	28	23	26	5	4	7	18	14	24	45	41	34	33	43	29	28	16	34				28 0
Rainelle	Maximum	44	42	34	43	46	54	40	51	54	53	52	38	32	21	10	19	33	47	55	59	57	58	66	65	46	37	33	44				44.0
	Minimum	29	14	16	33	31	39	24	19	22	33	21	11	20	−1	−3	−3	−6	−9	15	28	32	38	25	40	27	23	6	13				19.2
Ravenswood	Maximum	52	40	48	57	58	55	45	49	55	64	63	36	35	29	16	22	38	43	59	64	63	55	65	64	42	39	33	50				47.8
	Minimum	29	20	23	45	29	43	29	21	26	36	24	11	28	5	0	6	17	11	21	39	38	37	29	40	27	25	14	31				25.1
Romney	Maximum	49	39	34	52	53	49	44	45	48	53	50	40	38	21	14	21	37	45	60	65	65	65	73	72	50	41	36	50				46.8
	Minimum	30	25	30	30	29	28	28	28	19	29	26	20	21	3	−1	0	4	4	18	27	43	28	23	43	30	22	14	17				22.1
Spencer [3]	Maximum	39	42	54	64	55	55	44	52	59	68	*35*	38	27	*25*	18	24	39	45	60	61	53	58	69	62	*48*	36	40	51				47.2
	Minimum	30	18	20	36	31	44	28	21	24	35	27	16	25	3	−4	4	8	11	20	48	45	37	28	48	31	26	12	30				25.1
Sutton	Maximum	56	44	52	61	61	58	52	52	58	66	66	35	35	31	16	22	28	42	61	65	65	60	72	72	53	44	38	50				50.5
	Minimum	32	17	19	50	32	42	29	28	30	32	24	23	25	4	−3	3	11	16	18	30	41	40	41	41	32	26	14	23				25.7
Wardensville [3]	Maximum	38	39	42	60	51	50	39	47	46	60	42	40	38	*23*	16	22	39	45	60	65	65	65	72	65	41	32	36	55				46.2
	Minimum	26	10	7	9	28	31	29	30	18	22	32	22	23	6	0	3	3	4	10	21	26	28	25	30	31	21	15	15				18.8
Weston	Maximum	48	42	52	59	52	62	60	48	53	65	60	45	33	31	19	24	38	40	58	65	62	59	68	65	69	38	35	48				49.9
	Minimum	34	20	19	46	34	45	25	26	25	35	36	18	30	6	−3	5	15	9	20	38	46	38	30	34	31	28	15	27				26.1
Wheeling [3]	Maximum	40	38	52	55	60	60	48	45	46	64	*30*	34	27	15	*14*	23	31	36	51	62	53	58	65	53	36	34	40	48				43.5
	Minimum	37	25	22	25	31	33	27	22	23	30	27	13	14	4	0	0	3	4	5	26	37	34	31	34	27	27	14	15				21.1
Williamson [3]	Maximum	43	49	54	60	56	55	47	60	66	69	*38*	42	31	*26*	22	27	44	51	60	65	57	56	71	67	67	38	36	50				50.2
	Minimum	34	24	25	31	43	43	33	30	30	38	28	24	26	7	6	7	12	19	23	26	35	42	38	38	37	32	15	16				27.2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 3-26 43—925)

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CLIMATOLOGICAL DATA

S. S. SCHWORM

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VOL. LI PARKERSBURG, W. VA., MARCH 1943 No. 3

GENERAL SUMMARY

The noteworthy feature of the month was the extremely low temperatures reached on the fourth. About one-third of the stations established new minimum temperature records for March. The —17° at Mannington and Ryan was the second lowest temperature on record for March in West Virginia, being exceeded only by the —18° reached at Clarksburg on March 1, 1934. All except a few widely scattered stations had mean temperatures below normal.

Precipitation was well above normal for the State. The southern division was 28 percent, the northern division 13 percent and the northeastern panhandle division slightly above normal. Moderate to heavy rains on the 19th and 20th brought the small streams and rivers up causing the Little Kanawha River to go slightly over flood stage at Glenville on the 20th and at Creston on the 21st, while the Ohio River at Point Pleasant crested slightly above flood stage on the 21st. The heaviest snowfalls occurred on the eastern slopes of the mountain ranges rather than, as usual, blanketing the whole mountain areas. The average snowfall for the State was close to normal. The greatest number of snow-lying days was 19 at Spruce Knob.

Frequent rains and snows prevented much spring plowing except on sandy soils. Some oats were seeded, and some potatoes and earliest garden truck planted during the latter part of the month. Fruit buds remained mostly dormant. Farm work was about two weeks backward at the close of the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 40.0°, or 2.3° below the normal. The mean for the northeastern panhandle division was 39.8°; for the northern division, 39.4°; and for the southern division, 40.5°. The highest monthly mean was 45.6° at Huntington and the lowest, 31 6° at Bayard. The highest temperature was 85° at Martinsburg on the 31st, and the lowest, —17° at Mannington and Ryan on the 4th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 124 stations, was 4.59 inches, or 0.69 inch above normal. In the northeastern panhandle division the average was 3.13 inches; in the northern division, 4.57 inches; and in the southern division, 5.28 inches. The greatest monthly precipitation was 9.23 inches at Kermit, and the least, 1.90 inches at Knobly Mountain. The greatest amount in any 24 consecutive hours was 3.40 inches at Kermit on the 20th–21st.

The average monthly snowfall was 6.5 inches, or 0.4 inch above the normal. The greatest monthly snowfall was 22.5 inches at Spruce Knob. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	1	2	..	1	..	..	..	..	2	11	6	28	1	..	..	..	2	1	..	..	..	1	..	5	2	..	..	1	2
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	..	3	..	..	6	6	1	..	3	..	2	..	..	2	12	3	..	7	3	..	..	1	..	..	..	2	..	..	..	1
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	2	11	..	..	..	..	..	..	..	..	1	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.76	8	29.47	6	9.1	28	sw.	16	81	52	59	62	783
Columbus, Ohio	30.75	8	29.39	6	11.7	46	sw.	16	75	52	62	61	762
Elkins	30.75	9	29.47	6	7.4	30	w.	6	80	53	59	55	825
Huntington Airp't	30.76	8	29.48	6	.....	23	s.	16	80	51	66	....	757
Parkersburg	30.74	8	29.44	6	7.0	30	sw.	19	73	46	50	59	746
Pittsburgh, Pa	30.74	8	29.34	6	13.1	35	w.	6	70	49	56	57	776

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	34.9	..	....	5.52	5.24	5.46	4.91	.....	..	..	...	..
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	..	..	...	..
1893	40.7	84	3	.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	94	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	.49	.40	.79	.55	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	34.4	63	7	.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	6.58	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	52.7	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	−18	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
1942	44.1	89	0	3.49	3.51	3.87	3.64	15.5	12	9	10	12
1943	40.0	85	−17	3.13	4.57	5.28	4.59	6.5	12	12	8	11
Period	42.3	94	−18	3.05	4.03	4.11	3.90	6.1	12	11	7	13

Climatological Data for March 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	31.6	−6.1	74	16	−10	9	2.91	−1.60	0.58	6	6.0	11	15	7	9	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	40.8	−0.6	78	§19	2	9	3.20	+0.73	.90	6	7.0	7	22	2	7	.....	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	...	....	..	4.19	+1.14	.89	17	2.8	14	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	38.8	.....	79	31	3	9	4.47	.....	1.00	6	....	9	17	7	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	41.8	−0.2	78	§30	5	§4	3.47	+0.15	....	....	6.0	9	12	13	6	n.	University Exper. Station
Martinsburg	Berkeley	435	43	41.3	−0.3	85	31	10	§4	3.70	+0.44	.80	7	11.0	13	24	4	3	w.	Dr. H. S. Gardner
McNeill	Hardy	800	47	41.4	+0.4	81	31	1	9	2.71	+0.12	.79	6	5.5	9	9	11	11	w.	R. E. Saville
Piedmont	Mineral	1,053	27	39.5	−1.7	78	31	0	9	2.37	−0.61	1.20	6	10.0	8	12	9	10	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	41	41.2	−1.2	81	31	3	9	2.45	−0.41	.80	6	5.5	7	10	9	12	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	...	....	..	2.83	−0.52	.48	17	15.8	14	4	7	20	w.	Fred Becker
Wardensville	Hardy	1,200	21	39.0	−2.9	79	31	3	9	2.88	+0.68	.78	6-7	8.4	10	8	16	7	s.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	....	..	4.75	+0.96	1.05	19	3.0	12	9	8	14	w.	L. Esle Bond
Benson	Harrison	1,080	18	40.2	−0.1	77	16	−15	4	5.23	+1.77	.96	19	8.0	13	12	13	6	.....	R. D. Marts
Bens Run	Pleasants	652	42	42.0	−1.5	78	31	−5	4	4.10	+0.06	1.36	19	4.5	8	23	4	4	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	35.6	.....	75	16	−6	4	2.91	.....	.73	20	3.0	11	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	41.8	−0.1	78	16	−12	4	4.89	+1.42	1.23	19	4.0	10	11	7	13	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	41.1	−0.8	75	§16	−5	4	5.23	+0.72	1.20	19	3.5	10	15	6	10	.....	H. A. Darnall
Cairo	Ritchie	680	34	41.0	−3.3	77	§16	−13	4	4.32	+0.50	1.65	19-20	6.5	9	12	11	8	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	36.4	−3.3	75	31	−8	4	4.23	+1.21	1.12	20	4.8	11	13	10	8	se.	Clarksburg Water Board
Creston	Wirt	640	42	42.6	−1.4	79	16	−13	4	5.34	+1.24	2.24	19-20	4.6	12	8	14	9	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	...	....	..	3.25	−0.52	.71	20	3.0	14	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	...	....	..	3.60	+0.17	1.10	20	3.0	9	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	...	....	..	3.76	+0.62	1.05	20	2.5	10	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	...	....	..	4.35	+0.81	1.30	20	4.0	12	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	...	....	..	4.62	+0.91	1.37	20	3.0	12	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	...	....	..	4.74	+0.99	1.00	19	4.0	8	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	38.4	−1.6	78	19	1	4	4.75	+0.95	1.31	19	8.5	15	8	4	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	39.6	−1.9	81	31	−3	4	4.05	+0.08	.87	20	4.9	11	13	5	13	s.	J. C. Robinson
Glenville	Gilmer	738	55	43.6	−1.1	78	§16	−11	4	5.61	+1.32	1.46	20	5.0	13	12	15	4	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	37.6	−3.9	76	§16	−13	4	3.84	+0.08	1.05	20	4.5	10	17	4	10	.....	L. W. Clayton
Grantsville	Calhoun	900	1	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	38.6	.....	77	16	−1	4	4.11	.....	1.11	19	4.0	14	9	6	16	w.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	...	....	..	4.29	.....	1.05	6	4.5	11	14	10	7	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	...	....	..	4.81	+1.55	.92	19	4.0	11	..	..	..	.....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	.....
Mannington	Marion	974	41	39.8	−2.5	78	31	−17	4	4.14	+0.11	1.27	6	4.7	11	14	8	9	w.	James A. Morgan
Middlebourne	Tyler	750	2	36.2	.....	78	§16	−14	§4	3.74	.....	.87	20	4.0	10	11	6	14	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	43	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	40.2	+0.8	80	31	−1	4	3.74	+0.50	1.09	6	....	11	11	1	19	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	40.4	−2.9	79	31	−12	4	4.01	+0.22	1.05	6	5.2	8	18	8	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	40.8	−2.0	78	31	−3	4	4.08	+0.59	1.46	18-19	5.2	14	10	9	12	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	40.5	0.0	77	§16	−2	4	4.29	+0.08	1.08	19-20	4.0	13	8	10	13	.....	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	...	....	..	4.26	+0.12	1.09	20	3.4	13	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	35.0	−4.2	65	§16	−12	4	6.97	+1.06	1.13	20	19.0	12	8	11	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	...	....	..	5.20	+1.58	1.48	19	3.0	11	12	5	14	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	37.6	.....	75	31	2	4	4.42	−0.43	1.19	7	1.7	11	12	1	18	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	...	....	..	4.34	+0.42	1.02	20	3.0	10	..	..	..	.....	Edward Hughes
Terra Alta	Preston	2,559	37	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	...	....	..	4.85	−0.26	1.15	7	10.0	14	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	41.3	−1.2	77	31	−11	4	5.04	+1.35	1.66	19-20	5.5	11	14	8	9	w.	Roscoe H. Jackson
Wellsburg (near)	Brooke	668	43	39.8	0.0	80	31	−11	4	3.58	+0.39	1.15	6	5.0	8	12	12	7	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	...	....	..	4.69	+1.15	.95	6	4.0	13	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	40.8	−3.0	76	31	−6	4	4.80	+0.52	1.63	19-20	3.8	16	3	26	2	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	37.8	−2.7	76	31	1	4	3.55	+0.27	1.20	6-7	7.5	9	12	13	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	....	.....	..	...	....	..	4.57	+0.76	1.04	13	10.5	10	10	11	10	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	40.9	−1.7	77	19	−5	4	5.20	+1.43	1.19	13	11.5	12	12	10	9	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	42.7	−1.7	76	19	2	4	4.93	+1.81	1.30	13	12.0	17	10	7	14	.....	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	5	40.6	.....	81	§16	−5	4	6.75	.....	1.55	10-11	4.0	14	9	7	15	n.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	...	....	..	5.81	+1.66	.96	19	7.4	15	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	36.2	.....	73	19	−4	4	4.47	.....	1.46	12-13	7.0	16	10	5	16	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	40.6	−1.9	80	19	−2	5	4.77	+0.61	1.49	13	3.0	12	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	State Forest Nursery
Hamlin	Lincoln	641	..	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	James J. Jeffries
Hinton	Summers	1,431	43	43.1	−1.0	84	19	2	4	3.93	+0.03	1.46	13-14	1.0	13	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	45.6	+0.6	80	16	5	4	5.76	+1.54	1.86	18-19	8.4	11	7	10	14	sw.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	...	....	..	5.84	+1.20	1.25	19	7.5	13	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	39.4	−2.7	77	19	2	4	4.69	+1.05	1.38	13	8.7	11	10	13	8	w.	James B. Stuart
Logan	Logan	700	32	42.6	.....	82	§16	0	§4	6.34	+1.62	1.19	19	8.5	14	10	7	14	.....	Paul A. Simouds
London Locks	Kanawha	623	8	40.3	.....	82	19	0	§4	5.81	.....	1.18	13-14	8.5	14	8	11	12	n.	Lockmaster
Madison	Boone	675	21	....	.....	..	...	....	..	....	.....	....	....	....	..	..	..	..	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	37.2	.....	77	19	−5	§4	5.25	.....	1.22	13	7.0	15	..	..	..	.....	W. E. Holy
Pineville	Wyoming	1,350	1	42.8	.....	82	19	−3	4	5.00	.....	1.34	13-14	....	12	..	..	..	.....	Charles Dameron
Point Pleasant	Mason	595	44	43.8	−1.4	79	16	−1	4	4.40	+0.31	.86	20	4.0	11	10	8	13	w.	E. C. Winger
Rainelle	Greenbrier	2,424	12	38.7	−0.6	77	19	−10	4	6.41	+0.86	1.31	13	20.0	17	13	5	13	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	41.9	−1.4	75	31	−9	4	4.21	+0.32	1.05	20	3.0	12	16	5	10	sw.	Lockmaster
Richwood	Nicholas	2,193	12	37.0	−3.8	76	19	−5	4	5.69	+0.19	.93	13	....	13	10	4	17	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	1	43.4	.....	79	16	−9	4	....	.....	....	....	....	..	..	..	..	.....	Sattis Simmons
Ryan	Roane	700	40	38.2	−4.6	77	16	−17	4	6.02	+1.66	2.18	19	5.1	12	11	10	10	.....	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	35.8	.....	73	31	−6	§4	4.91	.....	....	....	11.9	11	16	7	8	w.	Supt., State Forest
Spencer	Roane	789	40	40.6	−2.3	79	16	−13	4	5.27	+1.20	1.22	19	7.5	11	9	10	12	.....	A. M. McKown
Summersville	Nicholas	1,900	7	36.7	....	78	§19	−14	4	6.48	.....	1.40	13	13.0	16	10	11	10	.....	A. E. Dorsey
Sutton	Braxton	850	39	42.9	−1.3	81	§19	−10	4	5.91	+1.57	1.35	19	7.0	12	..	..	..	.....	C. B. Eakle
Union	Monroe	2,200	32	37.8	−5.6	76	19	2	§4	3.50	−0.05	....	....	3.2	13	..	..	..	.....	C. B. King
Webster Springs	Webster	1,500	11	43.8	.....	81	19	−1	4	5.47	.....	1.20	13	10.0	13	14	7	10	s.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	37.7	−4.9	79	19	2	§4	4.86	+1.29	1.25	13	4.7	11	12	7	12	.....	Ashford General Hospital
Williamson	Mingo	673	35	42.7	−4.0	80	19	3	4	6.34	+1.80	1.29	19	8.0	14	13	7	11	se.	J. E. Dotson
Winfield Locks	Putnam	571	5	40.8	.....	80	§16	3	4	5.98	.....	2.63	19-20	4.5	11	12	6	13	se.	Lockmaster
State averages and extremes		.....	..	**40.0**	**−2.3**	**85**	**31**	**−17**	**4**	**4.59**	**+0.69**	**3.40**	**20-21**	**6.5**	**12**	**12**	**8**	**11**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates.

Daily Precipitation for March 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac			.06			.58	.42				T.	.46	.45	T.			.13		.20	.42		.02	.05				.12					2.91
Brandywine	do						.90					T.		.70				.60		.32	.10		.30					.28					3.20
Brushy Run [2]	do			T.			.51	.45				T.	.09	.67	.23			.34		.48	.05		.22					.02	.20				3.26
Harpers Ferry [2]	do			T.	.03		.38	.84				.14	.20	.17	.60			.89	.07	.44	.14		.08					.01	.20				4.19
Inwood	do			.07			1.00	T.				.75	.10	.80				.75		.60	.25		.15										4.47
Kearneysville	do			.02			*	1.09				.24	.10	.84				.65		.47		T.	.06					T.					3.47
Knobly Mountain [2]†	do			T.	T.		.30	.40					.55	.04	.03		T.			.38	.05						T.	.14					1.90
Martinsburg [2]	do			T.	.25		.60	.80				.08	.40	.10	.45			.45		.30	.15		.01					.01	.10				3.70
McNeill †	do				T.		.79	T.				.19	.07	.67				.39		.37	.03		.07					.13	T.				2.71
Petersburg	do			T.			*	1.02				.08	.30	.28				.59			.10							.26					2.63
Piedmont	do			T.			1.20					.12	.20	.54				.02		.15	.06							.08	T.				2.37
Romney	do			T.			.80					.16	.10	.68	T.			.36		.26	.09							T.					2.45
Spruce Knob [2]†	do			.04	.06		.32	.37	T.			.14	.31	.13	.87			.38		.66	.34		.36	.07				.29	.33				4.67
Stony River Dam [2] †	do			.09	.05		.40	.14				*	.40	.19				.48		.33	.26	.15	.03					.11	.20				2.83
Wardensville [2]	do			T.	T.		.42	.36					.09	.71	.12			.39		.40	.05		.32					.02					2.88
Northern Division																																	
Aberdeen†	West Fork			.25			.77	.10				.20	.33	.71				.32		1.05	.57	.01	T.				T.	.40	.04				4.75
Belington [2]	Tygart			.11	.02		.20	.68	.02			.06	.51	.56	.26			.12	T.	.23	1.03		.09	T.				.15	.39				4.43
Benson †	West Fork			.40			.92	.08				.20	.50	.52				.40		.96	.83		.05	.02				.30	.05				5.23
Bens Run	Ohio			.24			.98					.73		.15				.30		1.36	.13						T.	.21					4.10
Big Skin Creek†	West Fork			.18		T.	.75					.33	*	1.02	T.			.41		1.73	.30	.05	T.				.01	.52	.01				5.31
Brandonville	Cheat			.10	T.		.35	.48	T.				.41	.23	T.			.20		.10	.73		T.		T.			.11	.20				2.91
Brownsville †	West Fork			.15			.79	.06				.22	.42	.66				.42		1.23	.52							.42					4.89
Buckhannon	Tygart			.25			.75	.15				.42	.20	.80				.30		1.20	.60	T.	T.				T.	.56					5.23
Cairo	Litl.Kanawha			.30			.88	T.				.28	.30	.24				.25		.90	.75		T.					.42					4.32
Clarksburg [2]	West Fork			.27			.48	.56					.50	.37	.12			.29		.25	1.12	T.	T.					.03	.24				4.23
Crawford	do			.23			.60	.08				.35	.25	.83				.40		1.41	.62	.02	.03					.36	.06				5.24
Creston [2]	Litl.Kanawha			.28	.01		.20	.78	T.			.08	.67	.40	T.			.37		.82	1.42		T.	T.				.10	.21				5.34
Dailey [2] †	Tygart			.09	T.		.13	.34	T.	T.		.10	.43	.53	.31			.35	T.	.70	.72		.45	T.				.12	.31				4.58
Dam 10, Mon. R. [2]†	Monongahela			.20	.01		.15	.65	.01			.01	.44	.27	.16			.43		.01	.71		T.	T.				.03	.17				3.25
Dam 13, O. R. [2]†	Ohio			.21			.44	.80				.02	.82					.16			1.10							.04	.01				3.60
Dam 15, Mon. R. [2]†	Monongahela			.18	T.		.30	.76	T.			T.	.54	.22	.17			.32		T.	1.05		T.	T.				.05	.17				3.76
Dam 19, O. R. [2]†	Ohio			.22			.30	.42				.07	.75	.08	.04			.48		.34	1.30		T.	T.				.08	.27				4.35
Dam 20, O. R. [2]†	do			.10			.32	.55				.05	.80	.12	.07			.51		.37	1.37			T.				.10	.26				4.62
Elizabeth (Dam 3) [2]	Litl.Kanawha			.40			*	.88				*	.70	.28				.35		1.00	.70							*	.43				4.74
Elk †	West Fork			.35			.95					1.35		.68				.38		1.10	.40								.55				5.76
Elkins [1] †	Tygart		T.	.15		.02	1.01	.02	.01			.48	.04	.80			.11	.04		1.31	.02	.29	.03				T.	.42					4.75
Fairmont [2]	Monongahela			.30			.40	.64	T.			.57	.29	.16				.34		.25	.87		T.	T.				.06	.17				4.05
Glenville [2]	Litl.Kanawha			.32	.10		.08	.81				.19	.28	.69	.05			.56		.64	1.46		T.	T.				.16	.27				5.61
Grafton	Tygart			.20			.10	.82				.51		.52				.27		*	1.05		.02						.35				3.84
Hackers Creek †	West Fork			.20			1.10					.33		.63						1.16	.50		.05					.40	.02				4.39
Hall [2]	Tygart			.15	T.		.31	.57	.07			.03	.58	.53	.24			.23		.28	1.24		.03	.02			.14	.29					4.71
Harrison Co. Airport [2]	West Fork		.11	.10		.11	.79	T.			T.	.52	.01	.48			.30	.03	.11	1.11	.08	T.	T.				.02	.34					4.11
Hastings	Ohio			.27			1.05	.10				.30	.38	.20				.47		.58	.58							.34	.02				4.29
Horner	West Fork						.54					.45		.75				.25		1.35								.70					4.04
Ireland	do			.24			.65	T.				.41	.55	.44				.30		1.40	.71	T						.41					5.11
Jane Lew	do			.21			.80	.12				.22	.28	.68				.48		.92	.61		T.					.45	.04				4.81
Kumbrabow St. For. †	[2]Tygart			.18		.25	1.00	.20				.70	.48	1.08	.04			.40	.02	1.10	.53	.43						.35					6.76
Mannington	Monongahela		.03	.28			1.27	.01				.57	.09	.31			T.	.43		.40	.56	T.	T.					.19					4.14
Middlebourne	Middle1s.Creek			.31			.30	.62					.57	.12				.33		.38	.87							.11	.13				3.74
Midvale [2]†	Tygart			.03	.02		.49	.23	.03			.21	.55	.57	.07			.27		.28	1.48		.02	.02				.18	.43				4.88
Morgantown	Monongahela			.20			.35	.10				.45	.75					*		*	1.35		T.				T.	.15					3.35
Mt. Clare	West Fork			.23	T.	T.	.74	.07				.35	.50	.24				.42		.75	.68		.01				T.	.44					4.43
New Cumberland	Ohio		.01	.01			1.09	.01			.16	.69	.29				.12	.32		.62	.42												3.74
New Martinsville	do			.31			1.05	T.				.74	.08	T.				.27		.71	.58		T.				T.	.27					4.01
Parkersburg [1]‡	do		.15	.08		.05	.74	T.			.03	.77	T.	.12			.41	.01	.07	1.39	.01	T.	T.				.05	.20					4.08
Parsons	Cheat			.10			.92	.13	T.			.10	.48	.64				.21		.62	.46	.10	.08	T.				.39	.06				4.29
Philippi [2]	Tygart	T.		.16	T.		.30	.53	T.			.02	.51	.53	.24			.21	T.	.20	1.09		.01	T.				.11	.35				4.26
Pickens	do			.25			*	1.08				.83	.34	1.01				.47		.99	1.13	*	*					.88					6.97
Roanoke	West Fork			.16			.77	.04				.35	.18	.81				.45		1.48	.51							.43	.02				5.20
Rockford †	do		T.	.23			.86	.02	T.			.32	.16	.67				.43		.84	.68	T.	T.				T.	.53	.07				4.81
Rowlesburg [2]	Cheat			.07	T.		.26	1.19	T.			T.	.70	.26	.45			.14	T.	.10	.82		T.	T.				.15	.28				4.42
Saint Marys [2]	Ohio			.36			.41	.49					.77	.16				.42		.44	1.02							.12	.15				4.34
Salem	West Fork			.35			.95					.46	.25	.39				.53		.66	.77	T.	T.					.25					4.61
Shinnston	do		T.	.25			.65	.01				.75	.20	.30				.20		.45		T.						.40					3.21
Terra Alta † ‡	Cheat																																
Thomas [2]	do			.09	.04		.38	1.15	T.			.05	.83	.38	.34				.18	.28	.65	T.	.20	T.				.11	.17				4.85
Valley Chapel	West Fork			.21			.91	.04				.35	.30	.65				.45		1.00	.66		T.	T.				.40	.07				5.04
Valley Head [2]	Tygart			.06	T.		.25	.47	T.	T.		.17	.71	.55	.43			.31		.66	.70	T.	.43	.04				.12	.20				5.10
Vandalia †	West Fork			.16			.72					.33	.11	.92				.32		1.33	.57							.46					4.92
Wellsburg (near)	Ohio		T.	.23			1.15					.47	.42				.10	.14		.49	.58						T.						3.58
West Milford	West Fork			.35			.95		.10			.30	.29	.55					.04	.85	.70	.04		.05				.42	.05				4.69
Weston [2]	do			.25	.02		.31	.54	.01			.02	.51	.38	.39			.46	.01	.35	1.28			.02				.10	.15				4.80
Wheeling (Dam 12) [2]	Ohio			.23			.33	.87				.03	.81				.01	.18		T.	1.08							.01					3.55
Southern Division																																	
Arbovale [2]	Greenbrier		T.	.11			.80					.58		1.04				.46		1.00	.22		.28				T.	.55	.03				4.57
Beckley	New		T.	.17		T.	.82	.13	T.			.35	.25	1.19				.37		.78	.59	.21	.14				T	.20					5.20
Bluefield	New			.21		.08	.58	.10				.19	.17	1.30	.04			.23		.20	.57	*	1.02			.03	.03	.14	.04				4.93
Camden-on-Gauley [2]	Gauley			.13			.76	.32	.09			.05	.82	1.05	.25			.42		.72	.68		.34	.12				.18					5.93
Charleston (Airport) [4]	Gr. Kanawha		.19	.10		.32	.60	T.			.99	.69	.13	.85			.29	.06	.71	1.26		T.	T.				.08	.48				6.75
Clay [2]	Elk			.32	.05		.38	.24	T.			.06	.55	.74	.28			.62	T	.96	.92	.18	.01					.15	.35				5.81
Flat Top [4]	New		.02	.08		.16	.56	.01				.50	.22	1.30			.18	.03		.83	.05	.12	.24				.15	.02					4.47
Gary [2]	Big Sandy			.07	T	T.	.20	T.				.29	.30	1.49	.37			.40		.44	.66		.26	T.				.15	.14				4.77
Greenbottom [2] †	Ohio																																
Hinton [2]	New			.09	T.		.48	.30	T.			.08	.39	1.26	.20			.13		.29	.27		.24	.02				.18					3.93
Hogsett [2]	Ohio			.09			.50	.47				.03	.70	.29	.05			.59		1.09	1.20							.13	.14				5.28
Huntington	do		.05	.23		T	.84	T.				.65	.04	.47				.69		1.86	.51	.05	T.				T.	.37					5.76
Kayford [2]	Gr. Kanawha			.27			.07	.60					.12	1.20	.45			.46		1.25	.70		.20	.02				.25	.25				5.84
Lewisburg	Greenbrier			.30			.97	T				.55	.20	1.38				.25		.22	.20	.28	.10					.24					4.69
Logan [2]	Guyandot			.18	T	T.	.44	.24	T.			.03	.56	.85	.25			.54		1.19	1.12		.32	.12				.33	.17				6.34
London Locks [2] †	Gr. Kanawha			.23			.40	.24				.08	.65	.74	.44			.40		1.06	.88		.25	.03				.11	.30				5.81
Madison [2]	Coal																																
Oak Hill	New			.22	.03		.31	.39	.01			.03	.55	1.22	.15			.33		.89	.57		.32	.06				.17					5.25
Pineville	Gr. Kanawha			*			.52	.15				.09	.54	1.30	.04			.46		.78	.82		.12					.18					5.00
Point Pleasant [2]	Ohio			.26			.45	.49	T.			.05	.72	.19				.58		.73	.86		T.	.05			T.	.02					4.40
Princeton [2]	New			.11	T.	T.	.21	T.				.09	1.31	.11				.14		.47	.58						.17	.11					3.10
Rainelle	Greenbrier		T.	.20		T.	1.20	.22	.01			.50	.27	1.31	.01			.23	.01	.75	.45	.66	.22	.06				.25	.06				6.41
Ravenswood [2]	Ohio			.20			.34	.48				.02	.66	.18	.05			.40		.53	1.05							.10	.20				4.21
Richwood [2]	Gauley			.15			.69	.33				.10	.61	.93	.39			.41		.69	.61		.42	.17				.19					5.69
Ryan	Gr. Kanawha		.05	.30			.83					.60	.15	.68				.30		2.18	.50	.05	.01					.37					6.02

Continued on next page.

Daily Precipitation for March 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Seneca State Forest†	Greenbrier			.21			*	1.28				*	*	1.26				.59		.90	.24	.07	T.					.36					4.91
Spencer [2]	Litl.Kanawha			.23			.58	.08				.06	.72	.54				.30		1.22	1.20		T.	T.				.12	.22				5.27
Summersville [2]	Gauley			.25			.40	.30	T.			.04	.85	1.40	.14	.02	.05	.50		.80	.83		.30	.30				.15	.15				6.48
Sutton	Elk			.42			.72	.10				.35	.25	.92				.48		1.35	.65	.20	T.	T.				.42	.05				5.91
Thornwood [2]	Greenbrier			.04			.96	.03	T.			.06	.57					.69		.79	.49	.10	.28	T.				.11	.23				4.35
Union [2]	New			.05			.25	.20				.10	.32	*	1.18			.55		.05	.30		.20	.05				.25					3.59
Wayne [2]	Twelvepole			.35			.85					.61	.11	.75				.67		1.40	.71		.12					.32	.18				6.07
Webster Springs	Elk			.17			.84	.04	.06			.44	.24	1.20				.28		1.04	.51	.36	.04					.25					5.47
White Sulp'r Spgs. [2]	Greenbrier			.15			.30					.35	.60	1.25	.40			.60		.25	.30	.16						.50					4.86
Williamson [2]	Big Sandy			.22	.01	T.	.50	.25				.52	.90	.05				.63		1.29	1.00		.30	.04				.53	.10				6.34
Winfield Locks [2]†	Gr. Kanawha			.22			.55	.43				T.	.69	.46	.14			.55		.87	1.76		T.					.16	.15				5.98

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Milletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Houlf; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vaudalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for March 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	46	33	10	31	38	42	*26*	23	40	58	50	48	40	53	67	74	45	62	68	45	*38*	31	39	51	55	60	40	39	48	68	72	46.5
	Minimum	9	10	5	-4	-2	26	12	-1	-10	-8	14	30	29	20	21	24	32	19	22	38	20	20	14	14	31	22	30	20	10	11	42	16.8
Beckley	Maximum	51	50	40	34	35	47	46	44	45	62	53	53	50	62	68	73	67	69	77	70	62	50	43	62	68	61	51	46	54	71	73	56.0
	Minimum	17	21	4	-5	22	30	12	6	15	26	41	36	39	28	35	49	31	25	47	39	21	18	17	17	29	32	41	26	17	27	38	25.8
Bluefield	Maximum	49	48	45	29	37	40	*45*	49	45	59	56	54	51	*61*	64	70	65	64	76	75	50	*45*	40	53	62	62	61	*51*	58	68	70	54.9
	Minimum	15	28	11	2	26	34	*15*	10	18	30	45	41	42	30	*36*	52	34	29	53	44	*24*	23	22	25	34	39	48	*31*	26	32	48	30.5
Brandywine	Maximum	51	45	34	35	47	42	33	35	40	55	56	57	49	59	63	69	71	72	78	67	51	44	45	60	67	65	60	58	55	75	78	55.4
	Minimum	16	21	14	4	22	30	19	7	2	20	38	43	31	24	31	45	34	24	45	42	24	22	18	22	35	27	34	28	18	35	39	26.3
Buckhannon	Maximum	45	45	30	30	40	48	45	22	50	64	65	55	48	60	67	75	70	60	75	70	46	37	46	55	60	60	65	45	50	70	72	53.9
	Minimum	19	20	12	-5	18	32	18	9	12	24	45	36	37	25	32	58	38	29	48	40	28	27	19	23	39	33	45	27	22	28	38	28.3
Cairo	Maximum	52	50	31	25	40	45	49	28	54	68	66	54	55	59	70	77	77	64	68	70	50	40	46	56	65	66	62	45	53	74	76	56.0
	Minimum	16	22	13	-13	16	32	18	5	9	25	45	35	36	24	31	51	35	25	44	36	28	29	18	20	29	30	43	25	20	25	33	26.0
Charleston (Airport)	Maximum	55	33	22	36	42	50	32	30	58	69	60	44	56	70	75	81	57	70	81	52	35	40	50	62	68	61	52	46	59	77	79	54.9
	Minimum	18	20	-2	-5	33	26	16	7	13	25	39	36	30	31	34	45	31	30	50	34	31	24	20	22	34	34	31	25	22	28	36	26.4
Clarksburg [3]	Maximum	49	29	18	35	41	48	*31*	26	52	66	55	47	51	63	69	73	51	65	26	46	*42*	38	45	57	62	62	49	42	52	73	75	50.9
	Miuimum	17	17	13	-8	-7	31	20	7	7	10	21	35	35	25	25	31	38	26	26	42	29	28	19	19	20	29	29	28	20	19	24	21.8
Elkins	Maximum	48	39	18	33	40	46	26	23	47	59	52	49	43	61	65	72	56	65	78	59	32	32	40	52	59	61	52	38	49	69	72	49.5
	Miuimum	19	18	4	1	28	26	14	5	8	32	45	35	34	29	42	55	33	26	51	32	25	23	18	21	37	30	34	24	19	26	48	27.2
Fairmont [3]	Maximum	53	32	20	33	40	46	*33*	31	54	70	55	51	54	65	74	80	54	69	68	50	*38*	42	49	62	63	62	49	48	57	78	81	53.6
	Minimum	19	20	11	-3	3	33	19	8	10	19	38	35	36	25	26	42	38	30	36	38	30	29	20	24	30	31	31	25	22	28	40	25.6
Flat Top	Maximum	48	39	21	30	34	45	26	25	38	56	47	48	47	55	64	67	52	64	73	54	31	27	36	51	58	51	57	41	50	66	69	47.4
	Minimum	16	20	-1	-4	22	21	11	5	12	24	39	37	36	25	36	48	26	25	50	31	20	17	12	26	31	30	36	25	19	33	43	24.9
Gary [3]	Maximum	55	44	26	36	42	54	33	34	55	61	57	51	55	68	72	75	50	73	80	54	49	36	47	57	66	60	62	50	58	73	76	55.1
	Minimum	25	26	15	-1	-2	28	21	15	14	19	24	43	44	35	31	32	37	28	28	49	32	27	20	20	24	31	35	33	24	25	28	26.1
Glenville	Maximum	54	53	27	36	43	49	48	32	58	69	65	58	56	67	73	78	75	71	78	77	47	43	50	62	68	68	60	62	58	77	78	59.4
	Minimum	18	24	12	-11	17	33	19	8	12	24	51	36	37	28	28	57	39	28	46	38	31	29	20	21	35	31	43	27	21	27	36	27.9
Grafton	Maximum	46	51	31	30	39	48	49	26	53	68	68	54	47	55	71	76	76	62	67	67	45	39	44	55	58	64	64	47	47	70	76	54.6
	Minimum	11	14	5	-13	10	25	11	1	5	18	41	29	31	20	24	49	31	20	39	32	21	20	13	13	28	23	38	18	13	19	28	20.5
Huntington	Maximum	58	50	28	35	43	50	39	33	60	69	65	57	59	68	74	80	77	68	78	72	50	45	51	64	70	65	57	50	56	77	79	58.9
	Minimum	22	25	15	5	29	33	21	11	16	32	47	37	38	29	44	63	40	32	47	37	33	31	27	27	38	38	45	31	28	32	47	32.3
Lewisburg	Maximum	51	48	41	34	37	42	40	30	43	60	55	51	52	60	65	68	65	63	77	71	45	33	43	56	64	61	58	52	56	71	74	53.7
	Minimum	16	22	11	2	19	32	17	9	10	16	39	39	40	21	27	42	35	24	47	44	27	22	20	17	23	27	34	26	17	22	29	25.0
Logan [3]	Maximum	59	35	25	40	47	54	36	35	59	69	60	50	53	70	75	82	52	72	82	55	*45*	40	52	63	70	58	54	49	62	78	80	56.8
	Minimum	25	25	16	0	0	33	22	15	15	19	32	41	41	38	38	40	42	31	32	45	34	29	23	23	26	36	37	31	28	28	31	28.3
Madison [3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Mannington	Maximum	51	45	22	30	40	47	45	27	53	65	59	55	54	63	68	77	73	66	68	68	45	39	46	58	62	63	54	45	54	75	78	54.7
	Minimum	14	19	11	-17	9	31	17	6	8	22	48	34	35	22	30	55	38	24	43	36	27	27	17	18	31	27	42	22	17	23	35	24.9
Martinsburg [3]	Maximum	45	35	28	35	50	41	35	28	38	55	55	55	50	58	70	75	63	68	60	60	48	45	48	57	68	74	69	53	54	80	85	54.4
	Minimum	25	25	24	10	11	32	25	15	10	10	22	42	45	25	26	31	47	33	34	45	31	30	26	26	42	35	35	33	25	25	29	28.2
New Martinsville	Maximum	46	38	28	30	40	42	45	28	53	65	64	54	58	63	70	77	66	66	65	60	46	41	50	61	64	62	55	47	54	75	79	54.6
	Minimum	23	18	8	-12	14	27	15	6	11	29	40	31	33	24	35	55	36	27	45	33	27	28	20	22	33	37	38	23	19	27	38	26.1
Parkersburg	Maximum	50	31	17	32	39	47	26	26	53	66	54	43	57	63	70	78	55	65	73	61	36	38	48	60	64	61	50	42	54	76	78	52.0
	Minimum	19	17	5	-3	32	25	15	9	17	37	36	32	37	28	47	45	37	33	50	32	30	30	27	27	42	37	34	30	26	32	56	29.7
Pickens	Maximum	38	34	30	40	42	44	38	22	40	49	50	48	44	55	63	65	60	65	60	55	35	35	37	42	58	50	52	43	52	62	65	47.5
	Minimum	17	20	0	-12	19	31	8	0	5	27	38	31	31	22	33	50	27	26	39	32	21	17	4	24	28	31	31	19	13	25	37	22.4
Point Pleasant	Maximum	50	50	33	33	40	47	47	27	54	65	65	54	56	64	71	79	78	66	73	73	49	43	49	61	62	62	53	45	58	76	78	56.8
	Minimum	22	21	15	-1	26	33	9	9	16	33	35	35	37	28	44	62	39	31	47	37	31	31	25	28	38	38	45	30	36	33	43	30.9
Rainelle	Maximum	50	40	39	35	35	38	42	29	41	56	53	49	48	57	64	70	65	64	77	72	45	32	43	55	63	64	67	56	56	71	75	53.3
	Minimum	15	24	8	-10	17	31	13	6	9	22	32	36	41	28	29	43	33	22	48	39	25	22	18	15	26	26	35	26	17	22	28	24.1
Ravenswood	Maximum	49	52	28	33	44	51	44	29	53	65	65	52	57	64	62	72	71	61	65	59	48	39	47	62	63	63	59	49	55	73	75	55.1
	Minimum	18	22	13	-9	20	32	18	8	15	35	42	33	36	26	43	56	37	27	45	35	28	28	22	24	42	34	41	29	22	29	38	28.7
Romney	Maximum	48	45	32	38	46	42	43	28	38	59	55	53	50	59	70	76	72	71	70	62	49	40	46	60	64	70	63	48	54	76	81	55.1
	Minimum	17	22	14	6	16	29	20	9	3	17	39	37	30	23	27	48	41	25	42	45	26	27	22	25	41	27	43	25	17	23	59	27.3
Spencer [3]	Maximum	53	32	*22*	35	43	49	*32*	34	55	67	56	44	57	66	72	79	55	69	76	*50*	*36*	40	49	61	68	62	50	45	57	75	78	53.8
	Minimum	16	22	12	-13	18	32	18	7	12	34	37	35	35	25	45	47	38	27	50	36	29	28	20	21	34	32	36	28	21	28	41	27.5
Sutton	Maximum	54	54	37	36	42	52	52	31	63	63	56	50	51	65	69	71	71	68	81	81	52	36	48	60	67	67	62	57	52	76	77	58.1
	Minimum	17	26	14	-10	18	32	19	9	24	41	37	36	38	31	32	36	31	26	46	42	29	27	20	20	32	31	46	29	21	26	34	27.7
Wardensville [3]	Maximum	52	34	21	35	48	42	28	27	38	58	56	52	*42*	58	66	74	52	68	78	57	49	40	46	59	63	69	68	48	54	76	79	52.8
	Minimum	18	21	16	7	11	27	21	11	3	9	24	42	31	19	25	46	43	24	35	49	27	24	22	25	31	26	40	25	15	23	38	25.1
Weston	Maximum	48	46	29	30	40	41	40	32	53	60	56	47	48	65	74	75	71	66	75	70	38	40	44	59	64	62	60	42	57	72	76	54.0
	Minimum	20	24	16	-6	20	35	24	8	10	24	26	36	34	27	35	56	39	28	51	35	28	25	20	21	37	32	40	26	22	25	41	27.7
Wheeling [3]	Maximum	47	40	*19*	31	39	43	*29*	26	50	62	41	45	56	62	66	74	55	58	59	45	36	39	47	56	61	62	50	48	52	73	76	49.9
	Minimum	17	19	12	1	2	29	19	10	10	17	37	31	30	29	30	45	36	36	38	36	28	28	22	22	33	33	36	27	23	23	39	25.7
Williamson [2]	Maximum	55	34	*26*	37	43	52	34	32	58	64	52	44	49	69	73	79	55	69	80	55	*41*	42	58	62	70	59	54	50	63	76	78	55.3
	Minimum	26	26	16	3	4	34	23	15	15	24	33	41	41	38	39	43	42	33	34	41	35	30	27	27	30	39	42	35	31	31	35	30.1

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 4-29-43—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG, W. VA., APRIL 1943 No. 4

GENERAL SUMMARY

The month was the fifth coldest April of record and the coldest since 1926. Brief warm spells occurred on the 1st, 8th, 9th, 24th, and 25th; otherwise, the weather was cold, markedly so on the 2-3d and the period 10th to 23d. All stations reported minus departures, which ranged from 0.8° at Huntington to 6.8° at Grafton. The highest temperature of the month, 85°, was the second lowest April maximum of record.

While the State average of precipitation was slightly above normal, one rather large section in the southeast and a few scattered localities in the northeastern panhandle showed deficiencies ranging from 0.10 inch to 1.05 inches. Precipitation occurred frequently, and the intervening dry periods were generally less than three days. Heavy rains on the 19-20th caused the rivers to rise rapidly, but flood stages were reached only at Creston on the Little Kanawha River and Point Pleasant on the Ohio River. Snowfall was above the normal, with the monthly average the greatest for April since 1928. The greatest falls were recorded in the mountains from Stony River Dam to the Meadow River Basin. Snow-lying days totalled 10 at Spruce Knob and 7 at Pickens No. 2.

The cold rainy weather and inadequate sunshine retarded farm work and vegetation. The severe cold caused considerable damage to fruit. Pasture growth was delayed, while wheat was hurt by the alternate freezing and thawing. At the close of the month farm work and vegetation were from ten days to two weeks late.

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 47.8°, or 3.9° below the normal. The mean for the northeastern panhandle division was 46.9°; for the northern division, 47.0°; and for the southern division, 48.8°. The highest monthly mean was 53.8° at Huntington and the lowest, 39.9° at Bayard. The highest temperature was 85° at Hinton on the 25th, and the lowest, 10° at Seneca State Forest on the 4th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 122 stations, was 3.84 inches, or 0.31 inch above normal. In the northeastern panhandle division the average was 2.92 inches; in the northern division, 4.18 inches; and in the southern division, 3.74 inches. The greatest monthly precipitation was 6.35 inches at Kumbrabow State Forest, and the least, 2.03 inches at Moorefield (Hydrologic Station). The greatest amount in any 24 consecutive hours was 2.05 inches at Cairo on the 19th. The average monthly snowfall was 3.5 inches, or 1.7 inches above the normal. The greatest monthly snowfall was 27.0 inches at Pickens. The average number of days with .01 inch or more of precipitation was 13.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	4	..	2	..	..	1	2	4	3	..	1	..	..	1	..	2	5	1	5	1	3	8	1	2	1	1	..	12	..	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	1	..	..	1	6	8	1	..	1	..	..	2	30	..	..	..	..	..	24	..	..
Gales	1	5	4	4	27	10	3	2	..	3	1	15	5	7	4	10	..	..	1	2	..	1	..	..	1	..	6	3	5	23	..
Hail	..	..	..	1	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	1	..	..
Sleet	..	..	..	2	3	..	2	1	..	..	..	1	1	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	2	5	8	2	..	10	..	1	..	..	..	..	..	4	3	..	..	..	..	..	..	3	1	19	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.53	3	29.14	12	9.4	27	ne.	12	75	53	57	54	458
Columbus, Ohio	30.49	3	29.11	12	11.0	39	w.	30	78	52	61	52	540
Elkins	30.41	29	29.15	12	8.7	32	nw.	30	77	52	58	50	621
Huntington Airp't	30.48	3	29.19	12	.....	44	w.	12	75	52	59	...	435
Parkersburg	30.47	3	29.13	12	7.7	31	w.	5	72	48	54	52	488
Pittsburgh, Pa	30.42	29	29.03	12	13.4	42	nw.	5	72	50	56	54	560

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	52.0	..	..	1.64	3.08	2.50	2.81	.....	..	..	..	..
1892	50.6	87	17	3.16	4.31	4.83	4.28	.....	7	..	..	..
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	.....	9	11	9	10
1896	**57.7**	95	12	1.56	2.20	2.06	2.06	.....	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	.....	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	.....	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	**4.47**	.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	**3.39**	.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	.1	11	10	9	11
1915	55.5	**101**	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	**101**	6	3.01	2.51	3.18	2.89	.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
1942	54.7	97	13	1.63	2.40	1.30	1.86	.5	7	15	8	7
1943	47.8	85	10	2.92	4.18	3.74	3.84	3.5	13	9	10	11
Period	51.7	101	−4	3.09	3.71	3.45	3.53	1.8	11	11	8	11

Climatological Data for April 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, In degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	39.9	−3.8	72	27	12	4	3.86	+0.02	1.16	13-14	3.0	14	9	8	13	nw.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	.....	..	..	..	..	....	.....	....	.....	....	..	..	..	..	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	46.8	−3.1	81	25	15	4	2.85	+0.18	1.45	19	....	6	15	0	15	s.	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	..	..	3.23	−0.02	1.29	20	....	11	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	48.5	.....	84	1	20	16	3.73	.....	1.90	19	T.	8	10	12	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	49.6	−1.7	80	§25	21	4	3.27	−0.01	1.51	19	....	8	10	16	4	nw.	University Exper. Station
Martinsburg	Berkeley	435	43	49.6	−2.0	83	25	24	4	3.47	+0.36	1.60	20	T.	9	12	13	5	w.	Dr. H. S. Gardner
McNeill	Hardy	800	47	47.6	−4.2	82	25	14	4	2.08	−0.88	1.04	19	T.	7	10	8	12	w.	R. E. Saville
Piedmont	Mineral	1,053	27	46.0	−4.4	78	§25	22	16	3.29	+0.28	1.48	19	....	15	7	12	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	41	48.6	−3.1	81	25	19	16	2.98	+0.01	1.30	19	0.5	7	12	4	14	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	..	..	3.68	−0.07	1.10	20	9.5	12	5	5	20	w.	Fred Becker
Wardensville	Hardy	1,200	21	46.0	−3.6	80	§25	17	16	2.86	+0.35	1.05	19	0.5	10	14	11	5	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	..	..	4.22	+0.42	.87	19	3.6	15	2	13	15	w.	L. Esle Bond
Benson	Harrison	1,080	18	48.4	−4.2	80	27	15	4	5.39	+2.18	1.00	19	6.0	18	11	12	7	.....	R. D. Marts
Bens Run	Pleasants	652	42	48.8	−4.0	77	§27	22	4	4.26	+0.70	1.62	19	2.2	14	17	8	5	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	42.0	.....	73	27	15	4	4.65	.....	1.20	19	4.0	12	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	50.1	−2.2	80	§27	22	7	4.00	+0.64	.79	19	2.0	14	9	13	8	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	49.2	−1.9	75	§28	20	4	4.05	+0.16	.80	19	0.5	14	11	9	10	.....	H. A. Darnall
Cairo	Ritchie	680	34	49.4	−4.6	79	§27	18	4	4.86	+1.40	2.05	19	2.0	10	10	10	10	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	45.2	−6.0	79	27	17	4	3.78	+0.41	.75	19	1.0	12	11	8	11	w.	Clarksburg Water Board
Creston	Wirt	640	42	50.9	−2.5	79	27	20	4	4.86	+1.20	1.02	19	2.2	12	9	13	8	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	..	..	3.69	+0.22	.65	14	3.5	16	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	..	..	4.04	+0.72	1.30	20	....	13	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	..	..	4.00	+0.71	.72	14	1.0	14	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	..	..	3.57	+0.39	1.15	19	0.2	12	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	..	..	..	4.39	+1.15	1.24	19	T.	10	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	..	..	..	4.82	+1.65	1.60	19	....	11	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	44.4	−4.4	74	27	17	4	3.86	+0.24	.84	18-19	8.0	17	3	11	16	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	48.0	−3.8	80	27	20	4	3.93	+0.66	1.24	19-20	2.5	13	9	8	13	w.	J. C. Robinson
Glenville	Gilmer	738	55	51.2	−2.7	80	§27	20	4	4.91	+1.15	.98	19	0.5	15	12	12	6	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	44.7	−6.8	76	28	12	4	4.32	+1.03	1.11	19	2.6	16	10	7	13	.....	L. W. Clayton
Grantsville	Calhoun	900	1	....	.....	..	..	..	..	....	.....	....	.....	....	..	..	..	..	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	46.2	.....	79	27	18	4	3.80	.....	.94	18-19	1.6	17	4	15	11	w.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	..	..	4.79	.....	1.45	19	T.	18	8	10	12	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	.	..	..	..	4.25	+0.60	.72	17	2.0	16	..	..	..	.....	Mrs. U. I. Jenkins
Lost Creek (near)	Harrison	1,026	44	....	.....	..	..	..	..	....	.....	....	.....	....	..	..	..	..	.....	.....
Mannington	Marion	974	41	47.0	−4.1	79	27	15	4	4.59	+0.89	1.14	19	3.7	19	9	8	13	w.	James A. Morgan
Middlebourne	Tyler	750	2	45.5	.....	78	27	18	4	3.91	.....	.91	19	0.6	10	11	4	15	w.	L. A. Crumrine
Morgantown	Monongalia	1,300	43	....	.....	..	..	..	..	....	.....	....	.....	....	..	..	..	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	46.4	−2.8	78	27	16	4	3.44	+0.16	1.27	19	....	15	7	0	23	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	47.9	−5.2	78	§27	18	4	4.99	+1.49	1.42	19	1.0	15	12	6	12	nw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	48.8	−4.6	79	27	24	4	4.06	+0.87	2.02	18-19	1.2	15	10	8	12	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	46.4	−2.8	82	28	18	4	4.39	+0.63	.98	13	....	17	7	6	17	.....	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	..	..	..	3.85	+0.13	.80	14	6.1	16	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	42.6	−5.5	75	29	12	4	5.28	+0.09	0.85	19	27.0	15	7	11	12	sw.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	..	..	3.81	+0.23	.95	19	1.0	13	9	9	12	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	44.8	.....	76	27	19	§4	5.19	+1.00	1.28	13-14	2.2	14	6	3	21	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	..	..	4.59	+1.17	....	.....	....	11	..	..	..	.....	Edward Hughes
Terra Alta	Preston	2,559	37	....	.....	..	..	..	..	5.32	+1.22	.97	19	....	18	10	10	10	e.	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	..	..	..	4.81	+0.63	.97	14	8.0	13	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	49.0	−4.1	80	§27	18	4	4.64	+1.23	.92	19	3.0	17	7	13	10	w.	Roscoe H. Jackson
Wellsburg (near)	Brooke	668	43	45.7	−3.9	76	§25	16	4	3.62	−0.46	1.46	19	T.	12	9	11	10	w.	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	..	..	4.44	+0.62	.87	19	1.5	16	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	51.3	−1.5	80	27	20	4	3.58	+0.07	.65	14	2.9	17	3	25	2	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	45.9	−5.7	74	27	23	4	3.99	+0.76	1.14	20	1.5	12	6	11	13	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	....	.....	..	..	..	..	2.63	−0.59	1.00	20	5.0	11	8	13	9	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	48.2	−2.0	75	§9	14	4	3.15	−0.33	.93	19	4.7	12	9	15	6	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	50.4	−3.2	76	30	22	15	3.01	−0.10	.71	19	8.2	15	8	8	14	.....	Norfolk & Western Ry.
Charleston (Airport)	Kanawha	606	5	50.0	.....	81	30	21	4	4.40	.....	1.65	18-19	T.	14	4	12	14	w.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	..	..	..	4.42	+0.98	.89	19	3.9	14	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	43.3	.....	72	30	13	15	3.62	.....	1.25	18-19	6.8	13	4	18	8	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	49.9	−3.5	80	30	19	4	3.06	−0.43	.62	19	0.5	16	..	..	..	.....	U. S. Coal & Coke Co.
Greenhottom	Cabell	550	5	....	.....	..	..	..	..	....	.....	....	.....	....	..	..	..	..	.....	State Forest Nursery
Hamlin	Lincoln	641	..	....	.....	80	30	..	..	....	.....	2.02	19	....	..	..	..	..	.....	F. E. Brown
Hinton	Summers	1,431	43	51.4	−1.8	85	25	20	4	2.33	−0.87	.74	19	0.4	12	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	53.8	−0.8	80	30	26	4	4.97	+1.46	1.71	18-19	3.5	16	8	8	14	w.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	..	..	4.25	+0.19	1.00	19	1.5	15	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	47.6	−2.9	79	30	13	4	2.36	−0.96	.92	19	2.2	10	3	21	6	w.	James B. Stuart
Logan	Logan	700	32	52.2	−5.1	84	29	25	§4	4.37	+0.22	1.15	19	0.2	15	5	13	12	.....	Paul A. Simonds
London Locks	Kanawha	623	8	47.6	.....	78	25	24	§4	4.40	.....	.91	9-10	T.	16	5	11	14	n.	Lockmaster
Madison	Boone	675	21	52.3	−2.0	81	29	27	15	4.84	+1.00	1.47	19	....	10	12	8	10	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	47.2	.....	75	§9	19	§4	3.41	.....	.82	10	3.0	17	8	3	19	.....	W. E. Holy
Pineville	Wyoming	1,350	1	51.0	.....	81	9	19	4	4.14	.....	1.31	19-20	1.7	14	11	9	10	.....	Charles Dameron
Point Pleasant	Mason	595	44	52.2	−2.7	78	1	26	4	4.50	+1.19	1.10	19	0.2	15	15	5	10	w.	E. C. Winger
Rainelle	Greenbrier	2,424	12	46.1	−2.1	75	25	13	§4	4.36	+0.17	1.12	19	26.5	15	6	6	18	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	49.1	−4.7	76	1	21	4	4.13	+0.97	1.20	19	....	10	7	7	16	nw.	Lockmaster
Richwood	Nicholas	2,193	12	45.8	−4.1	75	25	12	16	4.39	+0.55	.97	10	9.0	15	9	7	14	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	1	...	.....	..	..	..	..	....	.....	....	.....	....	..	..	..	..	.....	Sattis Simmons
Ryan	Roane	700	40	48.4	−3.6	79	30	16	4	4.20	+0.42	1.67	19	2.7	17	6	14	10	.....	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	43.2	.....	75	25	10	4	3.33	.....	1.00	§9-10	T.	9	10	9	11	w.	Supt., State Forest
Spencer	Roane	789	40	50.2	−2.6	78	§27	20	4	5.02	+1.63	1.28	19	6.0	14	9	11	10	.....	A. M. McKown
Summersville	Nicholas	1,900	7	46.2	.....	82	27	16	4	4.12	.....	1.10	19	9.5	11	7	15	8	.....	A. E. Dorsey
Sutton	Braxton	850	39	50.0	−2.8	78	§27	18	4	4.36	+0.51	1.10	19	4.0	13	16	11	3	.....	C. B. Eakle
Union	Monroe	2,200	32	46.7	−5.1	79	30	15	4	2.32	−0.57	.44	18	....	7	12	0	18	.....	C. B. King
Webster Springs	Webster	1,500	11	49.6	.....	77	25	20	§4	3.30	.....	.67	13	4.0	8	9	14	7	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	....	.....	..	..	16	4	2.23	−1.05	1.12	19	1.7	9	..	..	..	.....	Ashford General Hospital
Williamson	Mingo	673	35	52.2	−3.3	80	§9	27	4	4.23	+0.55	1.40	19	0.5	17	7	12	11	sw.	J. E. Dotson
Winfield Locks	Putnam	571	5	50.4	.....	79	30	26	4	4.49	.....	1.25	20	0.5	13	9	8	13	sw.	Lockmaster
State averages and extremes	.....	.....	..	47.8	−3.9	85	25	10	4	3.84	0.31	2.05	19	3.5	13	9	10	11	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates.

Daily Precipitation for April 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac		.03						.63	T.	.24		T.	.56	.60	.12	.05	.18	T.	.50	.45	.12	.16				.10		.12				3.86
Braudywine	do.	T.	T.								.42		.13	.35	T.	T.		T.		1.45	.43	.07						T.			T.		2.85
Brushy Run [2]	do.			T.		.02					.35		T.	.09	.17	.02			.01	.82	.48	.23					.02						2.21
Harpers Ferry [2]	do.		.20			.11			T.		.10			.05	.30			.08	.19	.37	1.29	.51	T.						.03				3.23
Iuwood	do.		T.		.05			T.	T.	T.	.03		.05	.30	T.	T.		.50		1.90	.10	.80				T.							3.73
Kearneysville	do.	.13							.14				.19	.30	T			.20		1.51	.20	.60					T.						3.27
Knobly Mountain [2]†	do.		.05	T.	T.	T.	T.		.15		.16		T.	.22	T.	.20	.05	.10		.94	.56	.10											2.53
Martinsburg [2]	do.		.05	T.	T.	.12		T.	.05		T.			.20	.30	T.		.05		.60	1.60	.50	T.				T.		T.				3.47
McNeill †	do.	.06			T.	T.				T.	.21		.13	.08	T	T.			T.	1.04	.36	.20						T.					2.08
Petersburg	do.	.02	.01		.01								.13	.09	.05				.02	1 25													
Piedmont	do.	.07	.01	T.	T.				.09		.23		.41	.26	.06	.01		.15		1.48	.24	.09					.02	.04			T.		||||
Romney	do.	.35		T.									.46	.18	.03	T.				1.30	.10	.56					.03	.15	.01				3.29
Spruce Knob [2]†	do.			.09	T.	T.			T.		.47		.08	.37	.34	.12	.17	.05	.06	.36	.28	.11											2.98
Stony River Dam [2] †	do.		.20			.08			.08		.28			.03	.26	.32	T.	.38		.60	1.10	.11					T.	.04	.19				2.73
Wardensville [2]	do.										.17			.08	.23	.03		.02		1.05	.65	.61							.24				3.68
Northern Division																											.01	.01					2.86
Aberdeen†	West Fork	.42	T.	.03	T.						.13		.49	.61	.25	.09	T.	.69	.07	.87	.15	.17					.05	.05			.15		4.22
Belington [2]	Tygart		.36	.01	T.	.04	T.		T.		.15		.02	.25	.81	.07	.08	.25	.12	.52	.54	.06	.03				.06	.02	.06		T.		3.45
Benson †	West Fork	.40	.02	.04				.02		.10	.56		.72	.60	.35	.12	.02	.77	.20	1.00	.15	.20					.02	.10					5.39
Bens Run	Ohio	.02			.04						.09		.35	.61	.05	.07	.13		1.05	1.62	.02	.05						.04			.12		4.26
Big Skin Creek†	West Fork	.35	.02						.02		.18		.48	.44	.26	.06		.10	.40	.78	.21	.28	.01		T.		.02	.03					3.64
Braudouville	Cheat	T.	.88		T.		T.		.26		.22		.21	.44	.68	T.	T.	.51		1.20	.48	.09	.03						.15		T.		4.65
Brownsville †	West Fork	.32									.15		.45	.55	.29	.11		.60	.08	.79	.20	.18					.04	.05			.19		4.00
Buckhauuon	Tygart	.40	T.	T.	.05						.24		.45	.60	.25	.15		.48	.10	.80	.20	.20					.05	.08					4.05
Cairo	Litl.Kanawha	.23											.84	.42	.20	.10		.60		2.05	.12	.15									.15		4.86
Clarksburg [2]	West Fork		.41	T.	T.	.05			T.		.06		.12	.50	.60	.07		.57		.75	.50	.10											3.78
Crawford	do.	.32	T.	T.							.22		.24	.50	.14	.05	.44		.02	.93	T.	.26							.05				3.22
Creston [2]	Litl.Kanawha		.52	T.		.03			T.		.25		.17	.24	.70	.11	T.	.67		1.02	1.00	.13	T.		T.		.04	.01		T.	.05		4.86
Dailey [2]†	Tygart		.17	.01	T.	T.			T.		.38		.02	.39	.60	.10	T.	.16	.17	.54	.15	.05	.01	T.			.02		T.				2.80
Dam 10, Mon. R. [2]†	Monongahela		.19		T.	.02			.09		.20		.05	.54	.65	.02	T.	.40	.09	.60	.54	.21	.01				.01	T.					3.69
Dam 13, O. R. [2]†	Ohio	T.	.03						.13		.18		.02	.47	.47		.01	.51		.75	1.30	T.	T.				.04		.11		.02		4.04
Dam 15, Mon. R. [2]†	Monongahela		.30			.02		T.	.16		.15		.04	.63	.72	.08	.03	.32	.17	.63	.66	.09					T.						4.00
Dam 19, O. R. [2]†	Ohio	.03	.05	T.					T.		.22		.15	.13	.35	.02	T.	.35		1.15	1.05	.02	T.		T.		T.		.05		T.		3.57
Dam 20, O. R. [2]†	do.	T.		T.		T.			T.		.45		.28	.18	.46	T.	T.	.50		1.24	1.16	.04	T.		T.		.04		.04		T.		4.39
Elizabeth (Dam 3) [2]	Litl.Kanawha	.13							.10		.28		.63	.46	.10	.08		.62		.50	1.60												4.82
Elk †	West Fork	.48			.08						.15		.50	.64		.10		.57		.30	.68										.32		3.80
Elkins [1] †	Tygart	.40	.01	.04	T.			T.	T.	.19	.07		.48	.68	.17	.09	T.	.43	.23	.66	.04	.12	T.				.10	.03		T.	.12		3.86
Fairmont [2]	Monongahela		.24	T.	T.	.05	T.		.15		.14		.33	.40	.50	.05	.03	.67		.90	.34	.13											3.93
Glenville [2]	Litl.Kanawha		.66	.31	T.	T.					.18		.16	.17	.72	.19	.08	.62		.98	.52	.08	.07		T.		.06		.11				4.91
Grafton	Tygart		.54	T		.04	T.		.05		.10			.50	.90	.10	.07	.64	.01	1.11	.09	.08					.01	.04			.04		4.32
Hackers Creek †	West Fork	.36						.01					.84	.54	.14	.10		.63	.30	.80	.20	.14						.02			.01		4.09
Hall [2]	Tygart		.47	T.	T.	T.					.14		.04	.30	.75	.08	.05	.36	.11	.55	.35	.09	.02				.04	T.	.02				3.37
Harrisou Co. Airport [2]	West Fork	.45	.02	T.	.04			.03	T.	.09	.02		.61	.71	.08	T.	.14	.41	.47	.52	.02	.06			T.		T.	.02		T.	.11		3.80
Hastings	Ohio	.08		.12	.02	.04			.04		.20		.60	.70	.22	.04	.06	.85	.11	1.45	.13	.08						.04			.01		4.79
Horner	West Fork	.29									T.		.12	.45	.43	.27		.42	.13	.80	.40	.30								T.	.22		3.83
Irelaud	do.	.31	T.	T.	T.						.21		.22	.51	.21	.22		.43	T.	.91	.10						T.	T.			.06		3.18
Jane Lew	do.	.48	T.		T.	.02			.01		.11		.42	.60	.22	.10		.72	.12	.64	.20	.27					.03	.03			.28		4.25
Kumbrabow St. For. †	[2]Tygart	.51	.03	.05							.57		.86	.60	1.50			.48	.11	.55	.18	.32	.08	.03				.03			.25		6.35
Manniugtou	Monongahela	.07		.02	.03		T.	T.	.17	T.	.20		.68	.61	.17	.08	.08	.66	.40	1.14	.07	.08	.01				.02	.07	T.		.03		4.59
Middlebourne	Middle Is.Creek					.08			T.		.15		.15	.45	.57	.06		.70		.91	.77	.07	T.				T.				T.		3.91
Midvale [2]†	Tygart		.59	.01	.02				.06		.30		.08	.56	.13	.09	.05	.27	.24	.59	.64	.18	.05				.08	.06	.05				4.05
Morgantown	Monongahela																																
Mt. Clare	West Fork	.41							.04		.11		.60	.62	.12	.09	.69		.25	.86	.15	.10					.09				.18		4.31
New Cumberland	Ohio	.03						.05	.05		T.		.48	.31	.01		.34	.10	.03	1.27	.08						.05	.05	.32		.27		3.44
New Martinsville	do.	T.		T.	.04				.09	.03	.24		.35	.80	T.	.12	.17	1.05	.42	1.42	.06	.07					T.	.06	.07		T.		4.99
Parkersburg [1]†	do.	.05	T.	T.	.02			T.		.13	.04		.39	.44	.03	.04	.22	.19	.83	1.40	T.	.03			T.	T.	T.	.04		T.	.21		4.06
Parsons	Cheat	.35		.02	.08	.02			.05		.21		T.	.98	.34	.22	T.	.54		.87	.13	.17	.20				.11	.08			.02		4.39
Philippi [2]	Tygart		.35	T	T.	.02			.03		.10		.05	.33	.80	.12	.11	.41	.20	.65	.51	.13	.02				.02	T.	T.		T.		3.85
Pickeus	do.			.20		.05			.07		.45		.77	.55	.75	.25		.65	.13	.85	.31						.09		.06		.10		5.28
Roanoke	West Fork	.32									.21		.43	.63	.20	.08		.44	T.	.95	.22	.10					.05	.03			.15		3.81
Rockford †	do.	.41	T.	T.	.10					T.	.10		.52	.10	T.	.19		.70	.15	1.02	.15	.22					.02	.03			.26		3.97
Rowlesburg [2]	Cheat		.77	T.	T.	.04	T.	T.	.22		.18		T.	.72	.56	T.	T.	.24	.81	.46	.70	.10	.06				.05	T.	.28				5.19
Saint Marys [2]	Ohio	.14									.15		.23	*	*	*		1.61		1.19	1.19	.02							.06				4.59
Salem	West Fork	.42	T.	.01	.03						T.		.35	.62	.14	.10	T.	.88	.42	.99	.08	.08					T.	.01			.23		4.86
Shinnston	do.	.45		.01	T.								.55	.70	.05	T.	.20		.45	.25	T.	.40						.05			.03		3.14
Terra Alta†	Cheat	.64			.03			.30	.03	.20	.05		.65	.55	.16	.03	.11	.73	.19	.97	.20	.19						.19			.10		5.32
Thomas [2]	do.		.42	.03	T.						.25		T.	.57	.97	.18	T.	.19	.33	.38	.78	.59	T.				.09	T	.03				4.81
Valley Chapel	West Fork	.52	.03	T.		.01			.01		.12		.45	.62	.28	.09		.80	.13	.92	.16	.20					.03	.04			.23		4.64
Valley Head [2]	Tygart		.07	.01	T.	T.			T.		.43	T.	.02	.47	.74	.23	.07	.05	.08	.31	.37	.07	.03				T.	T.	T.				2.95
Vandalia †	West Fork	.29									.08		.31	.46	.18	.05		.19	.26	.77		.27											2.86
Wellsburg (near)	Ohio			T.			.05	.08					T.	.88	.07	T	.30	.27	T.	1.46	.10						.06	.09	.04		.22		3.62
West Milford	West Fork	.40		.05	.06	.02					.13		.66	.46	.27	.12		.64	.20	.87		.24					.05	.07			.20		4.44
Westou [2]	do.		.28	T.					.04		.18		.04	.28	.65	.09	.10	.40	.09	.48	.58	.15	.02				.05	.04	.05				3.58
Wheeling (Dam 12) [2]	Ohio	T.	T.			T.			.20		.17		.01	.46	.35	.04		.52		.59	1.14	T.					.06		.44		.01		3.99
Southern Division																																	
Arbovale [2]	Greenbrier	T.	T.	.12	T.	.03					.58			.30	.16	.15	.15	T.		.05	1.00	.05	T.				T.	.04					2.63
Beckley	New	.10			T.		T.			.30	.50		.45	.23	.14	.05		.23	.10	.93		.09				T.	.03			T.		3.15
Bluefield	New			.02		.03			.02	T.	.54		.69	.24	.35	.16		.04		.71	.03	.09			.02			.05			.02		3.01
Camden-on-Gauley [2]	Gauley		.12	.02							.62		.08	.60	.62	.12	.10	.18	.17	.75	.22	.14	.03										3.77
Charleston (Airport) [4]	Gr. Kanawha	.15		T.	T.				.66		.05		1.14	T.	.08	.01	.04	.29	.35	1.45	.06	.09		T.		T.	.01	T.			.02		4.40
Clay [2]	Elk		.39	T.							.53	.05		.17	.66	.16	.09	.30	.41	.89	.58	.13	.05				.01						4.42
Flat Top [4]	New	T.	T.	.01						.20	.43		.72	.26	.13	.07		.22	.69	.72	.02	.11		T.									3.62
Gary [2]	Big Sandy			T.	T.	.01			T	.23	.37	.10	.57	.40	.12	.04	.06	.11	.62	.27	.05	.03		.01			.04	T.		T.		3.06
Greenbottom [2]†	Ohio											.60	.35	.16			.48	.46	1.76	.06	.07					.03						||||
Hinton [2]	New				T.	T.					.45	.03	.24	.15	.22	.05	.01	.03	.12	.74	.26	.03											2.33
Hogsett [2]	Ohio	T.	.20			.02					.62		.10	.47	.53	.02		.45	.02	1.26	1.19	.04	.06		T.								5.05
Huntington	do.	.28			.03				.25	.43			.45	.50	.12	.05	T.	.48	.41	1.71	.02	.14		T.	T.		.05		.02				4.97
Kayford [2]	Gr. Kanawha		.02		.02				.01	.34			.24	.87	.40	.35	.10	.23	.23	1.00	.24		.15				.04	.02			.04		4.25
Lewisburg	Greenbrier								.21	.27			.42	.14	.12	.08		T.	.10	.92	.04	.06	T.	T.					.05				2.36
Logan [2]	Guyandot		.12	T.	T.	.03				.63	.12	.18	.41	.51	.04	T.	.18	.07	1.15	.74	.10	.05		T.			T.						4.37
London Locks [2]†	Gr. Kanawha		.18		T.				.03	.88	.03	.09	.38	.62	.06	.06	.12	.20	.90	.60	.10	.14						.04					4.40
Madisou [2]	Coal		.25							1.08			.50	.73		.05			1.47	.50	.11	.10			.05	T.	.01	T.					4.84
Oak Hill	New		.08		T.	.01			.04	.82	.09	.11	.30	.50	.11	.03	.09	.11	.74	.17	.01	.04											3.41
Pineville	Gr. Kanawha			T.	T.					.68	.03	.25	.27	.49	.51	.05	.24	.04	1.20	.11	.18	.04		.05				.16					4.14
Point Pleasant [2]	Ohio	.01			T.	.28			T.	.42		.24	.10	.49	.10	T.	.45	T.	1.10	1.07	.12	.06	T.		.01	.02		.03					4.50
Princeton [2]	New			T.				.10		.07		.43	.87		.20	.11	T.	T.	.93	T.	.02				.11			.21					3.05
Rainelle	Greenbrier	.05		T.	.01				.18	.48		.64	.52	.60	.23		.32	.01	1.12	.04	.11							.01					4.36
Ravenswood [2]	Ohio			T.						.21		.20	.15	.51	T.	.04	.55		1.20	1.13	.10	T.				T.	.04						4.13
Richwood [2]	Gauley		.11	.16						.97		.09	.51	.81	.27	.12	.19	.08	.49	.29	.15	.08						.04					4.39
Ryan	Gr. Kanawha	.23			.01				.10	.25		.38	.62	.13	.07		.35	.19	1.67	.05	.07						.07					4.20

Continued on next page.

Daily Precipitation for April 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Seneca State Forest†	Greenbrier	....	....	....	....	....	....	....	....	.30	.70	....	.47	.18	.10	.34	....	.02	....	1.00	.22	T.	....	....	....	....	....	T.	....	....	....	....	3.83
Spencer[2]	Litl.Kanawha	....	.45	T.	....	.01	....	....	....	....	.32	....	.14	.27	.69	.26	.12	.58	....	1.28	.70	.13	.04	....	T.	....	T.	....	.03	....	....	....	5.02
Summersville[2]	Gaulcy	....	....	.20	.05	....	....	....	....	....	.93	....	.10	.42	.75	.15	....	....	....	1.10	.22	.05	.05	....	....	....	T.	....	....	....	....	....	4.12
Sutton	Elk	.21	....	T.	....	.05	....	....	....	....	.38	....	.22	.60	.24	.08	....	.50	.06	1.10	.20	.46	....	....	....	....	....	....	....	....	.26	....	4.36
Thornwood[2]	Greenbrier	.05	T.	.01	....	....	....	....	....	....	.49	....	.04	.36	.22	.04	....	.06	.01	.55	.39	.09	....	....	....	....	.01	T.	....	....	....	....	2.35
Union[2]	New	....	....	....	....	....	....	....	....	....	.30	.28	.26	.34	.30	T.	....	....	.44	....	.40	....	....	....	....	....	....	....	....	....	....	....	2.32
Wayne[2]	Twelvepole	....	.22	....	T.	.05	....	....	....	....	1.12	.24	.05	.08	.58	.04	.01	.38	.01	1.41	.71	.19	....	....	....	....	.02	.03	.01	....	....	....	5.15
Webster Springs	Elk	....	T.	T.	T.	....	....	....	....	....	.54	....	.61	.67	.10	.60	....	.10	....	.45	....	.23	....	....	....	....	T.	T.	....	....	....	....	3.30
White Sulp'r Spgs.[2]	Greenbrier	....	.05	....	....	....	....	....	....	....	.40	....	.40	.08	.05	.02	....	....	....	1.12	.01	.10	....	....	....	....	....	....	....	....	....	....	2.23
Williamson[2]	Big Sandy	....	.14	....	....	.13	....	....	....	....	.65	.05	.20	.14	.50	.03	T.	.13	.04	1.40	.60	.04	.03	....	.07	....	.01	....	.07	....	....	....	4.23
Winfield Locks[2]†	Gr. Kanawha	....	.15	....	....	....	....	....	....	....	.49	.05	.07	.18	.61	T.	....	.41	.04	1.15	1.25	.03	.03	....	....	....	.03	....	....	....	....	....	4.49

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for April 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	61	47	44	52	48	38	49	62	68	53	53	63	52	36	33	59	53	45	41	58	40	53	62	67	71	67	72	61	64	70	....	54.7
	Minimum	38	44	17	12	15	18	17	22	22	36	18	20	33	18	16	18	18	24	30	31	31	30	22	24	27	31	35	38	24	25	....	25.1
Beckley	Maximum	68	60	49	59	63	53	67	72	75	62	62	62	56	44	38	60	60	57	50	55	49	54	62	65	74	70	72	71	72	75	....	61.2
	Minimum	45	41	20	14	40	24	26	48	41	46	22	40	29	19	18	20	42	36	41	33	30	31	32	42	34	47	57	61	42	35	....	60.7
Bluefield	Maximum	69	66	51	57	58	56	67	74	74	65	64	64	57	32	32	61	62	50	47	54	53	58	59	53	70	73	73	73	72	76	....	40.2
	Minimum	52	48	24	23	45	28	32	54	50	52	28	41	32	23	22	26	48	42	45	35	33	34	42	46	40	50	53	61	40	58	....	62.0
Brandywine	Maximum	74	65	47	56	54	52	48	70	73	64	60	61	60	36	42	57	64	62	51	62	52	58	64	71	81	74	76	74	75	78	....	31.6
	Minimum	40	38	23	15	24	28	22	44	26	41	19	32	36	26	20	19	38	28	31	34	35	38	26	32	34	50	39	40	31	38	....	60.5
Buckhannon	Maximum	70	55	45	48	54	50	55	67	72	65	53	68	60	40	35	62	63	60	54	60	52	56	69	68	73	70	73	75	68	75	....	37.9
	Minimum	45	43	25	20	48	28	26	55	32	48	24	37	35	26	25	29	48	35	42	43	39	39	31	40	39	50	50	50	33	51	....	62.7
Cairo	Maximum	78	61	50	45	60	58	54	70	72	73	60	67	49	39	39	64	62	61	49	53	56	58	72	74	75	78	79	79	70	77	....	36.1
	Minimum	40	40	28	18	39	24	24	46	29	48	21	36	36	27	27	25	45	32	44	43	38	36	30	45	36	52	42	55	31	46	....	63.4
Charleston (Airport)	Maximum	64	53	45	64	60	52	77	74	76	62	62	69	53	37	42	70	64	52	51	57	46	60	71	74	78	77	78	75	77	81	....	36.7
	Miuimum	47	33	23	21	38	24	32	46	47	34	28	41	32	27	26	27	41	40	47	39	38	33	32	43	40	49	49	44	37	44	....	59.0
Clarksburg[3]	Maximum	60	49	41	59	52	46	62	68	70	55	57	66	50	41	37	63	57	56	48	58	47	60	69	72	73	70	79	64	68	74	....	31.4
	Minimum	31	40	25	17	19	26	25	29	30	31	24	24	41	27	25	25	36	34	35	40	37	37	30	30	36	37	42	49	30	30	....	57.2
Elkins	Maximum	62	53	34	58	58	40	60	65	72	53	54	64	51	29	32	61	56	55	48	60	40	53	63	68	72	67	74	71	70	72	....	31.5
	Minimum	47	25	20	17	35	24	23	37	29	29	20	32	28	21	22	19	37	31	40	40	34	35	27	37	35	45	39	42	33	42	....	60.6
Fairmont[3]	Maximum	59	50	50	56	55	49	57	72	75	60	62	65	47	42	42	59	60	55	47	61	47	63	73	74	74	71	80	64	73	75	....	35.4
	Minimum	50	45	24	20	27	26	26	30	33	45	26	32	42	26	26	25	37	33	40	41	37	39	31	40	41	52	41	50	32	44	....	54.9
Flat Top	Maximum	62	51	33	59	52	44	67	68	68	52	60	60	55	26	32	56	52	47	45	52	35	50	54	60	70	64	66	68	66	72	....	31.7
	Minimum	49	23	17	16	34	22	28	43	36	32	23	37	23	18	13	14	35	41	39	31	29	30	37	41	35	43	49	45	32	36	....	63.1
Gary[3]	Maximum	70	57	60	63	58	53	73	77	77	59	62	69	58	36	39	65	56	59	54	58	41	60	63	66	78	74	76	75	78	80	....	36.7
	Minimum	34	41	28	19	50	33	31	36	47	49	27	42	36	28	27	25	28	40	47	38	37	33	34	38	36	39	47	50	39	41	....	64.3
Glenville	Maximum	78	59	46	53	61	52	70	74	76	65	58	68	53	40	40	67	65	57	52	58	54	63	73	76	78	78	80	80	76	79	....	38.0
	Minimum	43	41	27	20	45	25	26	52	32	50	24	37	35	26	27	25	50	35	45	44	38	40	30	45	39	54	45	56	33	51	....	60.7
Grafton	Maximum	69	56	49	43	57	54	51	67	74	72	56	67	55	35	35	62	63	56	57	60	60	55	62	71	72	75	72	76	64	75	....	60.7
	Minimum	34	35	17	12	35	19	16	36	24	41	15	27	26	18	17	16	38	25	33	36	30	32	23	30	29	45	36	49	23	45	....	28.7
Huntington	Maximum	76	65	49	67	63	59	78	75	73	64	60	68	53	40	44	70	67	61	52	55	48	61	70	73	77	77	77	77	74	80	....	65.1
	Minimum	55	45	29	26	45	29	39	52	50	52	31	47	38	30	28	33	47	43	46	44	39	34	37	50	44	57	52	58	40	56	....	42.5
Lewisburg	Maximum	73	64	46	44	59	54	61	72	72	60	60	63	59	35	36	62	62	58	60	59	57	58	62	67	76	71	71	73	69	79	....	61.4
	Minimum	35	41	23	13	22	27	21	47	41	49	19	37	33	24	21	20	46	36	36	32	35	36	27	44	32	46	42	55	30	40	....	66.1
Logan[3]	Maximum	72	58	51	67	57	57	79	80	81	64	68	70	54	47	46	72	66	57	55	57	55	63	66	72	80	75	79	79	84	81	....	38.3
	Minimum	38	48	31	25	25	30	30	39	46	50	30	32	47	28	28	30	42	42	46	44	38	35	36	37	43	43	50	52	42	43	....	64.2
Madison[3]	Maximum	69	54	60	66	61	55	77	76	79	64	65	66	55	46	45	55	56	70	54	57	44	59	62	71	73	75	78	74	81	78	....	40.4
	Minimum	52	43	30	32	44	29	30	40	46	53	56	52	46	29	27	28	34	36	40	42	37	35	34	40	36	54	48	57	38	44	....	60.0
Mannington	Maximum	74	57	42	45	57	48	55	72	72	57	60	65	45	37	37	59	57	53	46	56	53	62	71	74	74	71	79	77	68	76	....	33.9
	Minimum	39	37	23	15	40	25	21	35	27	45	20	30	34	25	26	21	42	28	41	42	38	36	38	36	35	50	38	53	28	48	....	64.5
Martinsburg[3]	Maximum	75	63	46	58	61	50	50	73	74	65	67	60	63	53	45	65	68	57	51	65	56	65	71	76	83	76	73	76	71	80	....	34.8
	Minimum	42	42	29	24	26	26	28	29	33	34	30	35	43	33	30	25	25	34	38	38	39	43	34	34	39	46	45	45	38	38	....	61.1
New Martinsville	Maximum	77	65	45	48	57	49	56	70	73	57	60	62	47	39	42	58	56	54	47	58	52	64	72	76	76	72	78	78	71	75	....	61.1
	Minimum	44	30	25	18	30	24	27	35	31	44	24	37	34	24	23	25	41	31	41	43	45	34	30	43	39	49	42	47	30	51	....	34.7
Parkersburg	Maximum	64	58	42	56	56	46	69	69	68	54	56	65	43	32	37	61	55	48	49	55	49	61	70	74	76	70	79	72	70	74	....	59.4
	Minimum	52	31	27	24	37	28	32	47	40	34	28	44	32	26	27	32	43	37	42	41	40	36	37	49	46	56	53	44	37	46	....	38.3
Pickens	Maximum	55	52	45	48	47	52	59	65	62	56	54	57	45	30	32	55	57	55	55	44	47	52	72	73	71	70	73	65	75	63	....	56.2
	Minimum	36	39	30	12	20	19	17	41	27	18	15	32	16	15	18	22	32	42	40	28	20	16	33	34	37	36	40	48	41	43	....	28.9
Point Pleasant	Maximum	78	65	46	54	54	53	74	75	74	65	60	60	49	45	39	63	64	49	52	52	52	62	68	74	77	76	77	76	71	71	....	62.9
	Minimum	52	45	29	26	45	28	35	53	43	51	29	49	37	29	27	31	45	40	45	43	40	35	30	49	45	57	57	56	38	55	....	41.5
Rainelle	Maximum	73	57	43	48	52	45	61	71	73	57	65	62	52	52	30	60	61	60	48	57	53	53	60	66	75	70	72	73	71	74	....	59.8
	Minimum	35	34	21	13	41	24	22	38	37	47	20	35	31	21	19	13	48	33	41	31	32	33	25	39	31	45	39	53	30	41	....	32.4
Ravenswood	Maximum	76	65	47	52	59	55	68	70	74	71	59	57	50	42	39	40	55	54	52	52	54	59	69	71	72	74	74	74	69	68	....	60.7
	Minimum	47	43	26	21	45	23	30	38	41	48	21	43	35	26	27	32	40	29	44	42	39	31	33	47	41	53	48	46	33	51	....	37.5
Romney	Maximum	79	61	47	50	61	48	49	70	74	71	60	65	58	41	31	64	62	61	44	63	60	61	67	73	81	75	73	77	67	80	....	62.8
	Minimum	43	37	24	20	38	25	21	31	27	39	21	29	38	26	25	19	40	27	34	34	35	39	27	32	36	52	38	62	62	50	....	34.4
Spencer[3]	Maximum	65	53	45	61	59	50	72	73	75	59	62	63	52	47	48	67	61	49	48	57	49	62	72	75	75	76	78	69	72	78	....	62.5
	Minimum	46	45	27	20	36	25	27	36	38	40	25	41	47	27	26	28	48	39	46	42	37	37	30	39	40	55	46	56	34	54	....	37.9
Sutton	Maximum	77	62	52	55	56	56	67	70	70	66	60	56	54	44	36	68	68	68	65	58	57	57	60	68	75	76	76	78	78	70	72	63.6
	Minimum	43	41	28	18	44	30	25	44	34	46	25	37	35	27	27	24	46	34	42	41	37	40	30	60	58	71	80	72	75	71	67	80	....	36.4
Wardensville[3]	Maximum	71	69	41	63	57	45	49	70	74	61	59	62	61	36	40	64	65	45	45	63	50	60	58	71	80	72	75	71	67	80	....	60.8
	Minimum	36	31	24	19	32	26	20	31	27	44	23	26	36	18	25	17	28	26	33	33	37	40	24	32	36	53	38	49	31	45	....	31.3
Weston	Maximum	72	60	50	40	61	58	59	68	74	70	60	65	62	49	36	60	56	66	60	56	46	57	58	72	75	78	75	80	76	73	....	63.2
	Minimum	55	48	25	20	40	28	29	49	35	48	28	48	42	27	24	26	46	35	42	41	36	36	32	44	39	52	50	60	34	62	....	39.4
Wheeling[3]	Maximum	66	53	53	55	53	45	45	65	70	51	56	53	46	43	43	54	51	56	46	57	49	62	71	72	73	68	74	69	66	70	....	57.8
	Minimum	53	43	25	23	32	27	28	29	34	34	25	24	43	26	25	26	35	31	31	40	36	36	33	35	44	44	44	44	34	35	....	34.0
Williamson[3]	Maximum	70	60	48	65	63	57	77	79	80	62	65	67	55	43	42	68	63	58	55	57	45	63	61	69	77	78	77	77	80	80	....	64.7
	Minimum	41	48	32	27	30	33	33	43	48	51	32	34	43	29	29	30	38	45	48	45	40	35	31	41	44	48	52	54	44	45	....	39.8

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	Total
Clarksburg	Evaporation	.211	.041	.087	*	.333	*	.232	.068	.190	.039	*	.271	.069	*	*	*	.040	.121	.000	.066	.139	.053	.103	.193	.120	.205	.204	.178	.232	.127	....	3.322
	Wind movement	95	71	192	90	118	278	99	32	61	*	132	25	167	152	187	79	164	68	77	111	99	104	29	50	16	109	49	150	123	33	....	2,960
Wardensville	Evaporation																															
	Wind movement	35	41	119	78	105	156	93	46	51	78	48	76	102	108	92	55	91	39	72	61	60	59	40	41	20	81	38	97	85	80	....	2,150

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 6-9-43—925)

4 WE

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM

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VOL. LI PARKERSBURG, W. VA., MAY 1943 No. 5

GENERAL SUMMARY

The most noteworthy feature of the month was the cold spell during the first week. Most of the stations in each division had a minimum temperature lower than all previous records for May, the lowest being 17° at Bayard on the 2d. Other very low readings on the same day were: 18° at Beckley (Fire Weather station) and Thornwood (Fire Weather station), 19° at Kumbrabow State Forest, and 20° at Rainelle. Despite the cold beginning, warm periods on the 6-11th and the 16th-21st brought the State average temperature up to 63.5° or 1.7° above the normal.

Precipitation averaged well above normal and was particularly heavy in the counties bordering the Ohio River and in the central portion of the northern division. Rainfall was considerably deficient in Mineral, Hardy, Grant, Tucker, Randolph, Upshur, and Mingo counties and also at a few widely scattered places in the southern division. Large hailstones were reported as falling at Davisville (Wood County) on the 7th. Hail also occurred at numerous stations in the central part of the northern division. No heavy damage was reported.

It was a good growing month for potatoes and early seeded crops. However, continued showers kept the heavier soils so wet that the planting of corn, soy beans and vegetable gardens was greatly hindered. Also the cold, and in many places freezing weather, during the period of the 1st to the 5th caused considerable damage to cabbage and fruit. Pastures and meadows were rapidly approaching excellent condition at the close of the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 63.5°, or 1.7° above the normal. The mean for the northeastern panhandle division was 63.5°; for the northern division, 63.0°; and for the southern division, 63.9°. The highest monthly mean was 68.2° at Huntington and the lowest, 56.8° at Pickens. The highest temperature was 96° at Hamlin on the 7th and at Hinton on the 18th and 19th, and the lowest, 17° at Bayard on the 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 125 stations, was 4.59 inches, or 0.63 inch above normal. In the northeastern panhandle division the average was 3.71 inches; in the northern division, 5.04 inches; and in the southern division, 4.41 inches. The greatest monthly precipitation was 8.49 inches at Dam No. 13, O. R., and the least, 2.39 inches at Logan and Williamson. The greatest amount in any 24 consecutive hours was 2.43 inches at Renick on the 20th-21st. The average number of days with .01 inch or more of precipitation was 15.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	..	..	3	1	2	4	4	14	4	5	27	5	2	2	1	2	11	7	6	7	8	3	2	5	2	..	16	7	2
Frosts, killing	..	21	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	6	2	12	4	2	9	3	3	1	..	1	..	..	..	..	2	1	..	..	1	3	..	..	1	..	..	..	2	..	..	..
Hail	..	..	..	..	..	1	4	4	..	..	..	..	..	1	1	..	..	..	..	1	..	..	..	..	1	..	..	..	2	..	..
Halos, lunar	..	..	..	..	..	..	..	..	1	..	..	..	..	..	1	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	1	..	1	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	1	2	6	..	2	12	22	14	7	13	14	3	1	..	11	2	4	5	15	17	7	1	..	1	1	..	8	7	1	6	12

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.49	1	29.56	11	7.8	27	sw.	6	82	55	66	50	102
Columbus, Ohio	30.45	1	29.57	11	10.0	39	sw.	6	79	58	68	50	126
Elkins	30.36	5	29.62	12	7.1	29	w.	3	82	56	67	50	173
Huntington Airp't	30.46	1	29.61	11	.....	37	w.	27	81	53	66	....	82
Parkersburg	30.42	1	29.61	11	6.2	30	nw.	19	77	56	67	48	98
Pittsburgh, Pa	30.35	1	29.61	11	11.5	35	sw.	8	78	54	65	48	130

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	57.2	..	..	2.38	3.11	3.60	3.18	.....	..	..	..	..
1892	62.2	96	32	3.62	6.67	4.83	5.04	.....	..	..	..	..
1893	59.5	92	30	4.90	4.35	4.84	4.51	.....	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	.....	13	16	9	6
1895	61.6	105	20	3.18	2.18	2.80	2.60	.....	9	12	11	8
1896	68.3	95	33	2.92	3.50	2.71	3.01	.....	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	.....	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	.....	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	.....	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	.....	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	.....	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	.0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	55.5	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	55.5	93	23	8.74	7.12	6.72	7.20	.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	19	1.67	1.22	1.50	1.38	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
1942	63.5	98	27	5.58	4.42	4.39	4.61	.0	11	10	11	10
1943	63.5	96	17	3.71	5.04	4.41	4.59	T.	15	8	13	10
Period	61.8	105	17	3.69	4.14	3.85	3.96	T.	11	13	9	9

Climatological Data for May 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	57.6	+1.2	85	17	17	2	3.79	−0.51	0.70	§12	0.0	16	19	6	6	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	64.2	+5.6	90	18	21	2	3.83	+0.75	1.00	9	.0	12	16	5	10	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	..	..	4.37	+0.93	.99	12	.0	13	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	64.8	.....	95	§6	32	2	2.87	.....	1.00	11	.0	14	8	20	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	65.2	+1.8	93	6	32	2	4.08	+0.59	1.52	20-21	.0	11	8	19	4	nw.	University Exper. Station
Martinsburg	Berkeley	435	43	65.6	+2.8	95	8	30	2	4.32	+0.93	1.00	21	.0	15	13	18	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	47	63.7	+3.5	94	18	21	2	2.98	−0.25	.96	12	.0	13	4	16	11	w.	R. E. Saville
Piedmont	Mineral	1,053	27	63.0	+3.0	90	17	28	2	2.72	−0.93	.69	12	.0	16	4	17	10	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	64.4	+1.5	91	§17	24	2	2.85	−0.68	.80	12	T.	13	7	10	14	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	..	..	4.87	+0.27	.90	31	.0	17	1	7	23	w.	Fred Becker
Wardensville	Hardy	1,200	21	63.0	+3.6	89	6	23	2	3.23	+0.27	.72	12	.0	14	9	21	1	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	..	..	4.26	+0.39	1.14	26	.0	14	1	21	9	w.	L. Esle Bond
Benson	Harrison	1,080	18	64.1	+3.3	90	19	25	2	5.47	+1.54	1.10	11	.0	17	6	20	5	.....	R. D. Marts
Bens Run	Pleasants	652	42	64.4	+1.4	89	§6	31	2	8.41	+4.41	2.38	19	.0	20	22	3	6	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	60.0	.....	83	§18	22	2	6.65	.....	1.57	31	T.	18	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	65.3	+3.7	90	§17	25	2	3.90	−0.33	.85	12	.0	13	7	19	5	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	63.4	+2.3	85	§6	28	2	3.62	−0.81	.77	12	.0	11	14	10	7	.....	H. A. Darnall
Cairo	Ritchie	680	34	64.2	+1.1	89	§19	27	2	5.22	+1.80	1.11	8	.0	18	5	22	4	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	61.8	+1.5	87	§18	27	2	3.70	+0.02	.78	12	.0	15	8	13	10	w.	Clarksburg Water Board
Creston	Wirt	640	42	65.2	+2.1	89	§18	28	2	4.15	+0.44	.83	12	.0	17	2	23	6	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	..	..	5.30	+1.23	.96	26	.0	19	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	..	..	8.49	+5.07	2.30	31	.0	19	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	..	..	6.89	+3.29	2.19	31	.0	18	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	..	..	5.72	+2.30	1.18	21	.0	14	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	..	..	..	4.61	+1.15	.97	12	.0	16	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	..	..	..	4.13	+0.70	.74	8	.0	14	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	61.0	+1.8	86	17	24	2	3.72	−0.33	1.03	11-12	.0	18	0	10	21	s.	U. S. Weather Bureau
Fairmont	Marion	883	44	64.8	+2.7	92	18	29	2	5.88	+2.00	1.28	31	T.	19	11	7	13	w.	J. C. Robinson
Glenville	Gilmer	738	55	66.2	+2.6	91	§18	28	2	4.59	+0.47	.96	8	.0	15	10	12	9	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	61.4	−0.1	87	§19	21	2	4.48	+0.80	.93	26	.0	16	8	14	9	.....	L. W. Clayton
Grantsville	Calhoun	900	1	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	63.4	.....	87	§6	28	2	3.56	.....	.78	25	.0	18	3	9	19	s.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	..	..	7.37	.....	1.56	20	.0	21	6	15	10	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	..	..	3.95	−0.65	.85	12	.0	11	..	..	..	.....	Mrs. U. I. Jenkins
Mannington	Marion	974	41	62.4	+2.0	87	6	25	2	5.51	+1.50	1.03	31	.0	25	3	17	11	w.	James A. Morgan
Middlebourne	Tyler	750	2	62.2	....	90	6	28	§2	6.04	.....	1.29	20	.0	18	6	12	13	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	43	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	61.6	+1.4	88	6	28	2	4.29	+0.89	.86	30	.0	22	1	2	28	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	65.6	+2.6	90	6	28	2	8.43	+4.76	1.83	30-31	.0	22	7	18	6	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	65.1	+1.3	90	6	34	2	5.53	+2.15	1.47	19-20	.0	19	6	9	16	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	64.0	+5.2	91	20	22	2	3.16	−0.97	.76	12	.0	13	..	..	..	.....	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	..	..	..	3.86	−0.41	.80	26	.0	18	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	56.8	−1.3	86	17	21	2	5.47	+0.22	1.18	11-12	.0	15	10	12	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	..	..	3.91	−0.45	.98	26	.0	13	6	13	12	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	62.9	.....	90	17	28	2	5.21	+0.58	1.46	31	T.	19	4	0	27	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	..	..	6.73	+3.22	1.18	16	.0	22	..	..	..	.....	Edward Hughes
Terra Alta	Preston	2,559	37	....	.....	..	..	..	..	....	.....	....	....	....	..	15	12	4	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	..	..	..	4.41	−0.84	.76	31	.0	15	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	64.6	+3.0	88	§17	26	2	4.50	+0.61	.71	12	.0	14	5	20	6	w.	Roscoe H. Jackson
Wellsburg (near)	Brooke	668	43	61.4	+1.2	89	§6	24	2	5.10	+1.90	.95	31	T.	17	4	17	10	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	..	..	5.66	+1.93	1.08	12	.0	17	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	67.4	+4.7	90	§17	29	2	4.97	+1.13	1.01	12-13	.0	17	..	..	..	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	61.9	+0.1	87	6	34	1	6.76	+3.66	1.50	31	.0	20	6	4	21	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	....	.....	..	..	..	..	4.70	+1.29	1.20	20	.0	13	8	12	11	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	62.0	+2.1	88	19	22	2	3.30	−0.33	.90	12	.0	10	12	13	6	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	64.9	+3.3	85	§19	33	2	4.84	+1.72	....	....	.0	12	8	14	9	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	68.0	+2.6	92	§6	33	2	3.38	−0.40	.59	12	.0	14	7	14	10	.....	Arnold R. Knapp
Charleston (Airport)	Kanawha	606	5	65.1	.....	91	6	30	2	5.57	.....	1.04	§10-11	.0	16	6	10	15	n.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	..	..	..	3.67	−0.12	.74	28	.0	14	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	58.6	.....	82	19	26	§1	4.85	.....	1.11	11-12	.0	15	6	13	12	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	64.4	+3.3	90	19	28	2	3.87	−0.10	.87	26	.0	14	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	64.8	.....	87	§6	30	2	5.10	.....	.94	1	.0	17	7	11	13	w.	State Forest Nursery
Hamlin	Lincoln	641	..	66.5	.....	96	7	30	2	4.49	.....	.78	28	.0	16	11	9	11	sw.	F. E. Brown
Hinton	Summers	1,431	43	65.6	+2.2	96	§18	28	2	4.19	+0.64	.83	12	.0	13	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	68.2	+3.5	91	§6	35	§1	4.71	+0.74	1.59	11-12	.0	16	5	14	12	sw.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	..	..	4.49	+0.09	1.28	28	.0	9	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	61.7	+1.6	87	19	22	2	4.76	+1.40	1.55	20	.0	13	10	15	6	w.	James B. Stuart
Logan	Logan	700	32	68.0	+1.0	94	§6	32	2	2.39	−1.72	.73	28	.0	11	3	17	11	.....	Paul A. Simonds
London Locks	Kanawha	623	8	63.4	.....	89	6	32	2	4.33	.....	1.03	26	.0	13	6	13	12	w.	Lockmaster
Madison	Boone	675	21	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	62.0	.....	87	19	32	§1	4.63	.....	1.24	28	.0	10	9	2	20	.....	W. E. Holy
Pineville	Wyoming	1,350	1	65.8	.....	93	17	28	2	3.49	.....	.90	28	.0	10	15	9	7	.....	Charles Dameron
Point Pleasant	Mason	789	44	66.2	+1.5	90	6	35	§1	5.79	+1.80	1.49	12	.0	17	..	..	..	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	60.4	+2.3	88	19	20	2	4.93	+0.46	1.20	12	.0	15	12	5	14	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	63.2	+1.3	87	20	29	2	4.13	+0.42	1.00	26	.0	13	3	10	18	sw.	Lockmaster
Richwood	Nicholas	610	1	60.8	+0.6	87	§18	22	2	5.28	+0.58	1.06	12	.0	13	11	10	10	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	12	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	Sattis Simmons
Ryan	Roane	700	40	62.3	+1.1	92	6	25	2	4.67	+1.03	1.08	11	.0	16	5	18	8	.....	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	....	.....	..	..	..	..	4.35	.....	.88	9	.0	11	10	11	10	w.	Supt., State Forest
Spencer	Roane	789	40	65.0	+3.0	90	6	29	2	4.07	+0.42	1.09	12	.0	13	4	17	10	.....	A. M. McKown
Summersville	Nicholas	1,900	7	61.1	....	87	§17	24	2	5.65	.....	1.75	26	.0	8	4	19	8	.....	A. E. Dorsey
Sutton	Braxton	850	39	66.9	+3.6	91	§6	27	2	4.39	+0.03	1.03	28	.0	13	..	..	..	.....	C. B. Eakle
Union	Monroe	2,200	32	61.4	+0.5	90	19	22	2	4.45	+1.25	1.10	28	.0	11	..	..	..	.....	C. B. King
Webster Springs	Webster	1,500	11	64.0	.....	89	16	22	2	6.25	.....	1.56	9	.0	12	10	12	9	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	....	.....	..	..	..	..	4.37	+0.90	1.16	20	.0	12	9	15	7	.....	Ashford General Hospital
Williamson	Mingo	673	35	67.6	+2.6	92	§7	34	2	2.39	−1.69	.68	28	.0	12	7	17	7	sw.	J. E. Dotson
Winfield Locks	Putnam	571	5	65.1	.....	90	6	34	2	4.24	.....	1.45	11-12	.0	13	12	6	13	sw.	Lockmaster
State averages and extremes			..	63.5	+1.7	96	§7	17	2	4.59	+0.63	2.43	20-21	T.	15	8	13	10	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates.

Daily Precipitation for May 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	.10		.18	T.				.53	.10	.15		.70	.20	.30	.05	.15				.08	.04	.20				.26			.05		.70	3.79
Brandywine	do						T.	.10	.08	1.00	.31	.37	.86			.16				T.	.37	.13			.05		.24		.16			T.	3.83
Brushy Run [2]	do	.03		.05					.12	.14	.04	.54	.62	.02	T.	.32	.10		.31		.34	1.23			.02	.10	.23			.14			4.35
Harpers Ferry [2]	do			.02					.20	T.	T.	.05	.99	.40	.05	T.	T.	T.			.40	.59		.12		.41	.50				.02	.62	4.37
Inwood	do			.06			T.	.24			*	1.00	.13		.09					.37	.15	.15			.04	T.	.24		.05		.30	.05	2.87
Kearneysville	do			.02					.02	T.			1.24		.07						.72	.80			.03	.07	.31		.02			.78	4.08
Knobly Mountain [2]†	do	T.		.26				T.	.11		.25	T.	.85		.35	.05	.05				.36	.05	.06			.07	.30			.05		.25	3.06
Martinsburg [2]	do			.15	T.				.10	.02	T.	.02	.60	.30	.20	.05	.03				.60	1.00	T.			.05	.30	T.			.05	.85	4.32
McNeill†	do		T.	.16			.14	.10		.04	T.	.04	.96	.14	.20			T.			.52	.14			.06		.26		T.	T.		.22	2.98
Petersburg	do			T.				.20	.02	.01	.01	.59	.03		.04	.60				.35	.59	.06			.08				.03				2.61
Piedmont	do			.26				.20	.06		.01	.12	.69		.39	.04		.03			.23	.04			.09	.02	.21		.02			.31	2.72
Romney	do	T.		.18				.14			.10		.80		.31	.10				.15	.14	.24			.05		.35		.06			.23	2.85
Spruce Knob [2]†	do	.13		.17				.12		.28	.26		.89	.22		.09	.29	.07			1.23	.89			.31	.27	.30	T.	.32	T.	.07		5.91
Stony River Dam [2]†	do			.45				.36	.14		.40	.03	.75	.06	.29	.27	.22				.05	.29			.02	.14	.30			.20		.90	4.87
Wardensville [2]	do			.06				.02	.56	T.		.43	.72		.02	.09	.04				.68	.10	.06			.08	.31					.06	3.23
Northern Division																																	
Aberdeen†	West Fork			.13			.12	.45	.24	.20	.31	.16	.58		.12	.24	T.					.40			.03		1.14		T.			.14	4.26
Belington [2]	Tygart	.12		.12				.05	.30	.15	.43		.71	.06	.12	.34	.17				T	.10	.35		T.	.10	.49		.32	.06	T.	.19	4.18
Benson †	West Fork			.20			.02	.80	.46	.10		1.10	.65		.40	.25					.25	.15			.15	.12	.60	.02			.15	.05	5.47
Bens Run	Ohio		.12	.09			.01	.91	.35	.26	.03	.11	.58			.03	.46	.67	.21	2.38	.13	.39			.36	.88					.25	.19	8.41
Big Skin Creek†	West Fork		T.	.32	T.			.50	.16	.04	T.	.03		.70	.10	.21					.02					1.25	.09	T.	.60		.23	.05	4.30
Brandonville	Cheat	T.		.64	T.			.22	.62	.16	.06	.14	1.02	.06	.16		.16	T.		.15	.50	.18	.14			.02	.80			T.	.05	1.57	6.65
Brownsville †	West Fork			.12			.10	.24	.50	.48		.15	.85		.09	.17									.08	.47	.51		.14				3.90
Buckhannon	Tygart			.15			.23	.47	.28	T.	.27		.77		.10	.15						.35			T.	.65	.20		T.			T.	3.62
Cairo	Litl.Kanawha			.15				.49	1.11	.15	.02	.22	.83	.05	.45	.48	.09	.05			.28	.05			.30	.16	.31	.03					5.22
Clarksburg [2]	West Fork	.15		.15				.03	.43	.16		.25	.78		.30		.30				.32	.02	.03				.71	.02				.05	3.70
Crawford	do			.15			.10	.43		.13	.67	T.	.80		.11	.12					.09	.61			.03	.69	.41		.04				4.36
Creston [2]	Litl.Kanawha	.13		.07				.25	.80	.22		.32	.83	.02	.32		.05				.04	.15	.01			.30	.35		.19			.10	4.15
Dailey [2]†	Tygart	.02	T.	.06	T.			T.	.35	.03	.70		.91	.09	T.	.27	.20		.15		.02	.58	.04		.03	.04	.39		.04	T.	T.		3.92
Dam 10, Mon. R. [2]†	Monongahela	.01		.37				.08	.39	.02		.17	.82	T.	.16	.01	.12		.02	.10	.60	.63	.05			.05	.96			T.	.03	.71	5.30
Dam 13, O. R. [2]†	Ohio	.14		.16				.01	.18	.19		.50	.60		.23		.63	.02	.38	.28	.28	.96	.25			.13	1.23	.02					2.30	8.49
Dam 15, Mon. R. [2]†	Monongahela	.06		.30				.05	.59	.03		.21	.74	.09	.27	T.	.28			.02	.77	.05	.09			.05	.95	T.		.15		2.19	6.89
Dam 19, O. R. [2]†	Ohio	.10		.12				.08	.74	.38	.02	T.	.75	T.	.60		.30			T.	.28	1.18	T.		T.	.39	.75	.03			T.		5.72
Dam 20, O. R. [2]†	do	.18		.08				.15	.32	.58	.07	T.	.97		.52	.02	.22		T.		.18	.04				.36	.87	.07			T.	.03	4.61
Elizabeth (Dam 3) [2]	Litl.Kanawha							.10	.74	.40	.09		.64	.22		.46	.22				.10	.06	.10			.30	.60		.10				4.13
Elk †	West Fork			.20		.10		.60				.60			.10	.70					.10	.20				.50						.06	3.16
Elkins [1] ‡	Tygart	T.	.04	.05			T.	.41	.18	.21	T.	.57	.46		.05	.24	T.	.01		.02	.03	.46			.06	.37	.09	T	.18	T.	T.	.29	3.72
Fairmout [2]	Monongahela	.12		.29				.23	.54	.07	.01	.15	.84	.08	.28		.30			.02	.59	.05	.10			.08	.83			.02		1.28	5.88
Glenville [2]	Litl.Kanawha	.12		.25				.14	.96	.21		.76	.53	.08	.12		.18					.20	.19			.22	.57		T.	.06			4.59
Grafton	Tygart			.12					.54	.27		.24	.56	.01	.26	.39	.01				.40				.11	.01	.93	.03		.09	T.	.51	4.48
Hackers Creek †	West Fork		.01	.30			.01	.70	.38	.10		.80			.24	.44					.17	.14				.14							3.43
Hall [2]	Tygart	.03		.08				.03	.34	.32	.22	.03	.52	.05	.12	.09	.19					.08	.25			.03	.64	T.	.02	.50	.06	.16	3.76
Harrison Co. Airport [2]	West Fork	T.	.08				.02	.44	.23		.29	.57	.06	.07	.10	.37	T.			.37	.01	.07			.05	.78		.02	T.	T.	.01	.02	3.56
Hastings	Ohio			.30			.22	.55	.71	.06	.03	.12	.48		.41	.38	.16	.01	.17	.27	1.56	.33			.16	.24	.42	.02				.77	7.37
Horner	West Fork			.10				.20	.39	.29	.15	.29	1.10		.13	.15				.05	.20			.10	.23	1.17		.10				4.65
Ireland	do						.10	.20	.30		.92	.06	.77	T.	.07	.19					.06	.71			.04	T.	1.02		.55	.10	.20		5.29
Jane Lew	do			.22				.55	.33	.14		.34	.85	T.	.40							.23			.26		.60					3.95
Kumbrabow St. For. †	[2]Tygart			.55				.15	.08	.92	.24	.04	1.15	.03	.04	.68	.03		.20	.15	.06	.55	.01		.12		.79	.02	.75			.02	6.58
Mannington	Monongahela	.01	.16	.17			.06	.36	.16	.06	.03	.42	.49		.26	.53	.06	.06	.03	.12	.45	.13			.09	.40	.26		.13	.01	.01	1.03	5.51
Middlebourne	Middle Is. Creek	.19		.21				.05	.69	.24	T	.16	.44	.04	.37		.69		.09	.28	1.29	.21				.22	.55	T.		.04	.28		6.04
Midvale [2]†	Tygart	.13		.14				.06	.62	.15	.09		.83	.21	.09	.18	.16				.06	.08	.72			.12	.57	.02	.06	T.			4.29
Morgantown	Monongahela																																
Mt. Clare	West Fork		.06	.13				.70	.35	.03		1.10	.68		.38	.46					.34	.06			.05	.43	.30					.12	5.19
New Cumberland	Ohio		.08	.27	.01			.08	.14		.20	.27	.14	.02	.04		.01	.20	.45	.21	.05	.24	T.		.10	.57	.01	.04			.86	.30	4.29
New Martinsville	do		.15	.27	T.	T.	.02	.41	.53	.02	.40	.43	.44		.30	.85	.10	T.	.12	1.34	.12	.12			.15	.77	.04	.02		T.	.23	1.60	8.43
Parkersburg [1]‡	do		.10	.04			T.	.68	.32	.03	.01	.58	.04	.30	.25	.29	T.	T.	T.	.26	1.21	.04			.30	.85		.03			.09	.11	5.53
Parsons	Cheat			.17			.08	.19	.07				.76	T.	.21	.38				.02		.36			.11	.36			.07			.38	3.16
Philippi [2]	Tygart	.13		.14				.14	.33	.10	.01	.19	.64	.07	.17	.30	.25				T.	.02	.14			.02	.80	T.		.12	T.	.29	3.86
Pickens	do	.10	.23	.28				.32	.29	.24		.11	1.07			.01		.08			.44	.58			.09		.64		.80				5.47
Roanoke	West Fork			.22			.02	.34	.30	.08			.67		.11	.28				.03	T.	.42		T.	.03	T.	.98		.43			T.	3.91
Rockford †	do			.20			T.	.92	.19			.45	.50		.21	.58					.11	.23			.06	.51	.37		.28			T.	4.61
Rowlesburg [2]	Cheat	.10	T	.13				.08	.58	.14	T.	.36	.47	.25	.30	.08	.20				.11	T.	.13		.05	*	.46	T.		.28	.03	1.46	5.21
Saint Marys [2]	Ohio	.13		.20				.15	1.13	.20	.06	.03	.66	.02	.48	.02	1.18	T.	.04	.04	.58	.13	.02			.39	.77	.05			.42	.03	6.73
Salem	West Fork		T.	.06				.50	.39	.03		.76	.67		.36	.23	.02				.35	.30				.32	.34	.02	.10				4.45
Shinnston	do		T.						.40	.60	.20	.75	.30																				
Terra Alta †‡	Cheat																			.90	T.	.12				T.		.40	T.	.90	T.	.40	4.97
Thomas [2]	do	.19		.16					.27	.33		.06	.75	.18	.22	.25	.18				.12		.30				.28			.36		.76	4.41
Valley Chapel	West Fork			.20			T.	.70	.42	.18		.37	.71		.20	.47					T.	.27			.10	.20	.56	T.	.03		.09	T.	4.50
Valley Head [2]	Tygart	.26		.12	T.				.11	.35	.45		1.02	.03		.03	.21		.10		.80	.46	T.		.03	.02	.45		.29	.25			4.98
Vandalia †	West Fork							.63	.12	.57		.08	.93			.31					.12	.58				.86	.27		.46			.35	5.28
Wellsburg (near)	Ohio	T.	.05	.32		T.		.40	.24	T.	.10	.08	.15			.16	T.	.17	.40	.24	.14	.24			T.	.66	.15			.65	.95	5.10
West Milford	West Fork			.22			.03	.64	.32	.09		.84	1.08	.05	.41	.30					.56	.10			.12	.30	.42		.08			.10	5.66
Weston [2]	do	.06		.19				.09	.90	.59		.21	.71	.30	.11	.03	.18					.10	.30			.08	.98		T.	.08	.06		4.97
Wheeling (Dam 12) [2]	Ohio	.17		.27				.09	.49	.52	.08	.34	.28		.11	T.	.39	.02	.59	.12	.18	.03	.52			.10	.93	.03			T.	1.50	6.76
Southern Division																																	
Arbovale [2]	Greenbrier		T.	.18				T.	.14	.12	.15	.09	.54		T.	.40					1.20				.22	.38		.40	.10			.78	4.70
Beckley	New		T.				T.		.09	T.	.11	.04	.90			.23						.28			.46	.21	.23	T.	.75			T.	3.30
Bluefield	New									*	.90	.86	.05			.06					.15	.16			.22	.67	.86	.18	.73				4.84
Camden-on-Gauley [2]	Gauley	.02		.08				.03		.10	.67		.86	.07		.13	.08		.16			.43	.06			.11	.97		1.32	.08		.12	5.29
Charleston (Airport) [4]	Gr. Kanawha		.03	T.				.06	.70	.99	.29	.91	.13	T.	T.	.30			.02	.60	.09				.40	.33		.82	.22			.18	5.57
Clay [2]	Elk			.03						.48	.11	.01	.28	.06		.29	.59					.21				.09	.61		.74	.02		.15	3.67
Flat Top [4]	New						.02		T.	.71	.07	.88	.24			.11	.03			.19	.28	.02			.51	.72	.09	.53	.45				4.85
Gary [2]	Big Sandy	.04		.07						.01	.60	.13	.62	.02		.02					.42	.09			.21	.02	.87		.75				3.87
Greenbottom [2]†	Ohio		.02	.02				.10	.34	.03	.01	.94	.10		.10	.13				.51	.79	.41			.18	.90		T.	.41			.11	5.10
Hinton [2]	New									.20	.25	.28	.83	.01		.17					.17	.58			.08	.30	.63		.67			.02	4.19
Hogsett [2]	Ohio			.04		T.			.87	.22		.19	1.11		.18	.44	.04				.50	1.14	.01		T.	.18	1.01					.01	5.94
Huntington	do		.03	.03			.03	.02	.42	T.	.01	1.40	.23		.06	.20			T.		.25	.18			.30	.81		.63				.11	4.71
Kayford [2]	Gr. Kanawha	.10								.60			.25	.10							.05	.83	T.			.50	.78		1.28				4.49
Lewisburg	Greenbrier			T.				.10	.12	.29	.11	.82				.18					1.55	.16			.20	.04	.36	.16	.67				4.76
Logan [2]	Guyandot	T.		T.			T.		.58	.01	T.	.42	.01	T.		.02					T.	.19	.01		.16	.05	.21		.73			T.	2.39
London Locks [2]†	Gr. Kanawha			.04						.49	.26		.42	.05	.02	.10					.04	.85	.08			.17	1.03	T.	.78				4.33
Madison [2]	Coal																																
Oak Hill	New									.27	.85		.51	.12		.03						.21			.33	.07	1.00		1.24				4.63
Pineville	Gr. Kanawha	.03								.49	.25	.07	.63			.21						.33	T.		.08	T.	.50		.90				3.49
Point Pleasant [2]	Ohio			.12				T.	.35	.37	.03	.49	1.49	.02	.53	.02	.12				.11	.40			.01	.17	1.24	.05	.27				5.79
Princeton [2]	New						.17			.41	.11	.91	.09	T.	.26	T.		.17			T.					.61	T.						2.73
Rainelle	Greenbrier		T.	.06			.01		.04	.53	.23	.08	1.20	T.		.04					.80	.25			.33	T.	.53	.06	.76			.01	4.93
Ravenswood [2]	Ohio			.07		T.			.38	.21	.03		.62	.58			.18				.29	.18	.01			.29	1.00	.29		T.		T.	4.13
Richwood [2]	Gauley			.11						.30	.43	.12	1.06	.41							.51	.52			.14		.45		.98	.10		.15	5.28
Ryan	Gr. Kanawha		.04	.05				.16	.40		.19	1.08	.16			.75				.04	.37	.55			.23	.23		.03	.23			.16	4.67

Continued on next page.

Daily Precipitation for May 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Seneca State Forest†	Greenbrier								.54	.88	.38	.12	.62			.22					.18	.14			.36	T	.42		.49				4.35
Spencer [2]	Litl.Kanawha			.03				T.	.60	.39			1.09	.11	.04	.08						.50	.40			.20	.28		.18			.17	4.07
Summersville[2]	Gauley			T.						.20	.70	T.	.70	.20								.80				.20	1.75		1.10		T.		5.65
Sutton	Elk			.16				.06	.07	.21	.17		.67			.31					.30	.12			.06	.36	.87		1.03				4.39
Thornwood[2]	Greenbrier	.17		.15						.34	.23		1.25	.02			.30				1.03	.23			.05	.24	.25		1.10				5.22
Union [2]	New								.07		.10	.28	.95			.15	T.				.23	.61				.50	.29		.69				4.45
Wayne [2]	Twelvepole			.06					.76	.01			.71	.62	.06	.32					.83	.68			T.	.78	.27		.57		T.		5.46
Webster Springs	Elk			.25				.15		1.56	.10		.96			.30			.40	T.	.23	.20				.25		.36	.19	.57			6.25
White Sulp'r Spgs. [2]	Greenbrier								*	*	.55	.14	.75			.20					1.16	.20								.57			4.37
Williamson [2]	Big Sandy	T.		.01						.36	.05	.03	.40			.03						.36	.01		.02	.05	.39		.68				2.39
Winfield Locks[2]†	Gr. Kanawha								.20	.50		.40	1.05		.03	.04	.01				.07	.48	.08			.52	.39		.47				4.24

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrahow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for May 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	48	63	62	63	65	81	72	78	75	80	80	65	72	66	61	77	85	84	84	81	68	75	64	61	71	68	71	68	70	77	80	71.5
	Minimum	30	17	23	36	24	26	50	41	45	49	50	51	43	48	40	45	47	50	55	55	53	40	37	39	53	52	50	52	42	50	59	43.6
Beckley	Maximum	59	66	71	65	77	82	83	61	79	81	77	68	66	72	67	78	85	86	88	86	75	70	65	63	74	70	75	69	76	78	82	74.0
	Minimum	*34*	*22*	*54*	*34*	*27*	*52*	*54*	48	55	57	60	51	50	52	54	54	60	56	55	60	59	42	45	50	56	49	48	54	44	50	60	49.9
Bluefield	Maximum	71	*71*	74	70	77	83	83	82	*80*	81	72	*64*	79	79	71	*78*	82	84	85	85	80	69	*68*	72	69	70	72	73	70	76	82	75.9
	Minimum	34	33	*54*	38	41	58	61	64	*60*	55	64	58	61	56	56	54	*61*	59	59	59	60	46	51	*55*	58	50	51	54	50	53	*58*	53.9
Brandywine	Maximum	64	63	72	71	76	88	84	89	83	84	86	75	81	73	70	75	86	90	89	85	83	72	70	66	70	76	80	76	78	86	87	78.3
	Minimum	35	21	41	30	27	41	52	53	56	57	56	57	43	52	56	55	58	60	57	54	59	52	41	53	57	58	43	55	54	58	62	50.1
Buckhannon	Maximum	58	67	68	60	72	85	71	81	73	81	81	70	72	76	72	80	85	83	83	80	78	73	70	71	76	70	75	73	72	80	82	74.8
	Minimum	37	28	53	40	34	44	55	50	53	59	60	55	49	50	52	60	59	61	59	60	62	46	46	52	58	57	49	55	47	57	62	51.9
Cairo	Maximum	76	56	70	65	75	87	88	80	75	83	87	69	76	78	72	74	86	87	89	89	84	77	78	71	69	73	77	77	80	81	84	77.8
	Minimum	36	27	41	43	35	43	54	55	53	56	59	56	47	45	47	55	56	59	60	63	63	44	44	52	58	51	50	59	45	54	62	50.7
Charleston (Airport)	Maximum	58	75	73	67	83	91	88	81	82	88	78	68	79	71	75	85	89	90	90	86	73	76	72	70	70	76	79	76	82	86	85	78.8
	Minimum	32	30	48	35	39	48	60	54	56	61	60	54	51	50	53	58	55	60	60	62	47	46	48	55	54	50	50	51	49	54	64	51.4
Clarksburg [3]	Maximum	54	67	65	62	73	86	76	79	79	84	83	64	75	67	70	82	86	87	87	83	72	72	72	69	70	73	76	74	75	82	82	75.0
	Minimum	36	27	30	39	32	37	45	51	51	51	59	59	49	44	44	54	56	59	59	60	62	44	43	46	56	54	49	55	45	47	59	48.5
Elkins	Maximum	48	64	66	55	74	82	74	78	75	82	79	62	71	66	66	76	86	84	83	81	67	70	65	64	72	69	73	69	70	80	82	72.0
	Minimum	31	24	44	37	30	43	56	51	58	60	56	51	49	50	54	59	61	59	56	59	50	47	41	54	59	49	49	50	44	61	62	50.1
Fairmont [3]	Maximum	60	65	65	65	78	88	78	80	82	89	84	66	78	72	70	87	89	92	91	86	75	76	71	69	69	76	77	76	78	82	82	77.3
	Minimum	37	29	38	44	35	48	60	55	50	53	60	61	50	43	46	58	61	62	64	62	65	45	46	50	60	56	54	56	47	60	64	52.2
Flat Top	Maximum	47	63	70	54	74	80	80	77	74	77	67	56	72	68	60	70	79	81	82	78	68	65	57	65	65	66	69	65	70	75	80	69.5
	Minimum	26	26	39	32	32	41	60	53	48	54	56	50	47	50	50	50	58	51	52	56	47	42	47	47	53	47	52	50	48	54	61	47.7
Gary [3]	Maximum	57	71	74	65	84	82	87	84	83	83	78	63	78	75	77	82	89	87	90	85	73	74	69	73	77	73	78	74	79	83	*86*	77.8
	Minimum	39	28	44	41	36	43	*48*	52	55	58	57	60	53	55	57	60	56	57	55	59	61	46	44	54	54	52	46	*54*	50	51	56	79.5
Glenville	Maximum	62	67	70	68	81	88	84	81	80	88	86	71	78	78	75	78	90	91	91	90	75	80	78	75	73	77	81	80	80	86	84	79.5
	Minimum	38	28	51	45	37	45	54	55	56	61	61	56	52	49	48	59	58	61	60	62	64	46	47	52	61	54	50	60	48	57	64	52.9
Grafton	Maximum	72	66	66	66	71	79	85	81	82	84	84	83	67	73	69	81	86	86	87	87	84	85	79	82	74	74	77	77	73	74	80	77.9
	Minimum	30	21	44	37	25	36	46	45	45	54	52	49	43	37	44	49	51	53	54	53	50	52	46	36	51	48	43	49	39	51	55	44.8
Huntington	Maximum	64	70	74	72	83	91	89	87	80	87	84	70	81	76	73	86	90	91	90	86	76	79	76	73	68	78	82	80	85	85	88	80.5
	Minimum	35	35	62	38	46	54	64	58	55	60	62	58	52	49	53	64	62	66	64	65	63	50	53	61	58	53	56	60	53	60	67	56.0
Lewisburg	Maximum	65	64	73	61	75	85	85	82	81	84	74	68	78	74	66	75	84	85	87	81	74	73	64	61	71	71	75	72	75	80	82	75.0
	Minimum	34	22	50	38	29	37	47	49	52	58	59	55	43	54	53	54	51	54	54	61	59	41	42	51	57	50	42	54	42	47	60	48.4
Logan [3]	Maximum	61	76	79	70	87	94	92	85	85	87	80	65	82	72	81	89	93	92	94	88	75	78	72	73	78	79	83	78	86	89	90	81.7
	Minimum	40	32	36	43	43	48	54	58	58	62	63	62	57	57	57	61	63	63	61	62	64	49	49	56	58	54	53	53	54	55	60	54.4
Madison [3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Mannington	Maximum	55	65	64	63	75	87	84	79	76	86	83	67	76	68	68	83	84	85	86	81	72	74	73	70	68	73	75	75	73	82	80	75.2
	Minimum	35	25	48	43	30	38	56	53	49	56	57	55	47	42	48	51	55	59	62	61	59	42	43	49	59	55	50	52	44	57	61	49.7
Martinsburg [3]	Maximum	71	65	76	68	72	93	85	95	80	86	78	80	85	73	58	78	92	94	91	85	82	78	72	70	80	85	87	80	82	77	80	79.9
	Minimum	43	30	32	37	37	37	45	55	55	55	56	58	53	52	47	50	55	56	65	63	60	56	47	51	54	60	54	55	54	60	61	51.4
New Martinsville	Maximum	56	65	64	66	76	90	78	78	71	87	81	70	78	70	71	88	84	89	89	83	75	78	72	67	68	76	80	78	79	85	83	76.6
	Minimum	34	28	47	41	35	43	53	55	53	66	63	60	58	52	53	63	67	51	65	63	64	56	48	51	59	56	67	63	59	59	63	54.7
Parkersburg	Maximum	54	68	68	64	76	90	79	77	69	86	77	68	77	69	72	84	84	89	87	83	70	75	71	66	67	76	77	75	82	85	83	75.7
	Minimum	35	34	48	42	45	59	63	54	51	60	61	54	48	44	50	63	67	62	64	64	54	50	51	57	56	54	58	58	50	67	65	54.5
Pickens	Maximum	49	66	65	55	74	82	79	77	76	77	74	58	72	68	65	74	86	82	83	68	62	52	54	57	58	60	60	57	58	66	83	67.6
	Minimum	30	21	34	33	28	48	64	49	54	56	57	46	42	43	48	55	53	54	53	54	47	41	44	47	52	42	42	49	41	49	51	49.7
Point Pleasant	Maximum	66	62	63	66	81	90	89	78	78	85	85	67	76	76	68	83	84	87	87	79	75	77	77	72	64	71	77	78	80	83	85	46.0
	Minimum	35	35	56	40	45	55	66	60	53	60	63	57	51	41	52	61	64	64	63	64	65	50	52	57	59	55	56	60	51	60	66	77.1
Rainelle	Maximum	65	65	71	67	78	84	84	83	78	80	75	67	76	74	66	74	84	85	88	81	70	70	70	58	69	71	73	71	74	80	84	55.4
	Minimum	31	20	48	37	28	36	47	44	52	56	50	50	45	49	53	52	49	52	50	57	55	46	38	49	51	46	40	52	42	46	56	74.7
Ravenswood	Maximum	62	63	63	66	76	85	84	75	75	83	80	67	78	74	72	81	83	85	85	87	70	75	72	66	65	58	76	74	79	80	79	46.0
	Minimum	34	29	36	36	40	50	59	37	52	57	66	56	47	44	51	63	64	61	62	62	63	44	47	55	57	56	48	59	47	55	64	74.8
Romney	Maximum	71	68	71	65	67	89	83	83	80	86	83	80	80	75	67	80	91	91	91	82	77	76	70	65	78	77	80	78	79	79	85	51.6
	Minimum	36	24	46	44	29	34	58	48	54	54	57	61	47	47	43	49	53	59	63	57	64	60	41	57	58	58	48	54	45	55	60	78.5
Spencer [3]	Maximum	57	72	68	67	80	90	85	84	80	86	78	78	69	72	72	84	87	88	89	86	74	71	72	68	66	75	79	75	81	83	89	50.4
	Minimum	34	29	56	39	38	52	62	65	54	56	64	60	46	46	51	52	63	62	50	61	62	44	46	57	56	51	51	53	46	58	63	77.6
Sutton	Maximum	72	69	70	70	82	91	91	86	84	90	90	84	78	78	74	83	90	90	91	91	88	78	78	72	80	81	81	78	79	85	87	52.5
	Minimum	38	27	50	45	46	44	54	50	57	60	58	56	50	51	49	59	56	59	58	60	58	46	44	52	60	53	47	58	47	55	60	82.0
Wardensville [3]	Maximum	55	69	72	59	68	89	82	88	80	84	79	75	80	65	*61*	75	87	88	85	80	79	74	62	64	75	77	79	78	78	83	86	51.8
	Minimum	38	23	46	45	27	35	50	48	57	57	58	58	45	50	50	48	61	58	56	59	61	52	42	50	57	60	44	55	45	56	62	75.9
Weston	Maximum	75	70	69	64	80	89	85	81	78	89	85	82	86	82	75	85	90	89	90	89	85	76	75	75	76	78	79	80	80	85	84	50.1
	Minimum	39	29	64	43	35	50	61	55	54	63	60	61	50	49	50	62	63	61	60	59	65	47	45	54	63	55	56	60	45	57	62	80.8
Wheeling [2]	Maximum	52	61	58	61	70	87	76	74	70	81	77	68	74	66	65	80	79	83	85	77	71	70	72	65	64	72	75	73	74	80	81	54.1
	Minimum	4	35	38	42	37	44	52	55	49	47	58	57	48	42	43	51	64	64	64	64	64	49	49	51	59	57	58	54	52	52	63	72.3
Williamson [3]	Maximum	60	75	78	70	85	91	92	84	86	85	78	67	79	72	79	85	92	89	92	86	74	77	71	72	74	76	82	78	83	86	89	51.5
	Minimum	41	34	44	41	42	49	53	55	61	62	62	62	56	57	58	60	61	61	62	64	65	50	51	58	61	56	51	55	54	58	60	80.2
																																	55.0

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.055	.376	.040	.330	.159	.112	.287	.067	.110	.100	.189	.106	.044	.156	.196	.072	.140	.203	.205	.223	.134	.193	.171	.117	.035	.017	.300	.014	.225	.089	.152	4.617
	Wind movement	232	74	37	238	73	15	133	28	92	22	36	33	36	52	58	43	24	59	25	30	11	93	32	37	14	12	36	63	48	16	42	1,744
Wardensville	Evaporation	....	.226	.146	.308	.149	.121	.169	.131	.222	.131	.156	.210	.056	.169	.083	*	.042	.356	.134	.159	.121	.242	.139	.182	.024	.095	.191	.156	.008	.138	.118	4.382
	Wind movement	143	73	85	130	64	23	49	41	70	39	37	60	44	27	22	*	112	48	18	20	21	71	56	32	21	27	26	38	59	20	33	1,509

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 7 1-43—925)

WE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

UNIVERSITY OF ILLINOIS

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG, W. VA., JUNE 1943 No. 6

GENERAL SUMMARY

This was the warmest June of record with a mean temperature of 75.0° which was 0.7° higher than the previous record which occurred in 1934. All stations reported temperatures well above normal. There were no great variations in the daily temperatures until the very end of the month when the temperature dropped sharply, giving practically all stations their minimum on the 30th.

Precipitation averaged below normal, being particularly dry in the northeastern panhandle division and the northern part of Lewis County and the southern part of Harrison County. However, the southern division had almost the normal amount of rainfall and scattered stations in Marion, Pocahontas, Roane, and Mercer Counties reported totals of from six to almost eight inches. A woman was killed by lightning in the late afternoon of the 24th while going after the cows on her farm near Fairmont. A heavy rain on the 16th sent Little Ten Mile Creek out of its banks in the vicinity of Wallace, Harrison County, pushing four dwellings from their foundations and washing out five wooden bridges on secondary roads.

Crop growth was generally good to excellent. It was too dry, however, for potatoes in many places. Haying and harvesting proceeded with little hindrance from the weather.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 75.0°, or 5.2° above the normal. The mean for the northeastern panhandle division was 75.1°; for the northern division, 74.7°; and for the southern division, 75.3°. The highest monthly mean was 79.4° at Huntington and Martinsburg, and the lowest, 67.2° at Kumbrabow State Forest.

The highest temperature was 102° at Martinsburg on the 25th, and the lowest, 42° at Pickens on the 30th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 121 stations, was 3.64 inches, or 0.83 inch below normal. In the northeastern panhandle division the average was 2.69 inches; in the northern division, 3.36 inches; and in the southern division, 4.42 inches. The greatest monthly precipitation was 7.87 inches at Flat Top, and the least, 1.08 inches at Cacapon State Park. The greatest amount in any 24 consecutive hours was 2.90 inches at Dam 20, O. R., on the 6th. The average number of days with .01 inch or more of precipitation was 10.

ERRATA

May, 1943. Page 18: Creston total precipitation 4.05; departure, 0.34. Page 19: Creston delete entry on 31st; total, 4.05; Pickens amount on 15th, 0.20. Page 20: Wheeling (Dam 12) minimum on 1st, 34.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	..	1	..	..	4	5	14	4	20	2	11	..	3	14	1	1	5	23	13	8	3	18	6	4	7	4	1	1	..	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	..	2	..	1	1	..	..	..	..	..	..	5	2	1	..	3	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	3	..	..	..	..	..	..	..	..	1	..	..	2	..	..
Halos, lunar	..	..	..	..	..	..	..	1	..	..	..	1	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	4	..	..	6	9	16	10	5	6	3	3	..	18	8	16	7	17	..	..	..	10	3	2	17	7	10	7	18	15	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level) Highest	Date	Lowest	Date	Wind Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.27	30	29.66	2	5.9	18	sw.	2	84	57	67	74	5
Columbus, Ohio	30.26	30	29.65	2	8.5	36	nw.	15	82	53	66	69	8
Elkins	30.28	30	29.73	2	4.9	21	w.	28	88	55	73	62	9
Huntington Airp't	30.25	30	29.72	2	.....	26	s.	6	89	52	76	....	3
Parkersburg	30.27	30	29.67	2	4.6	31	nw.	28	82	56	64	65	5
Pittsburgh, Pa	30.28	30	29.66	2	9.3	29	nw.	28	79	51	60	68	6

COMPARATIVE DATA FOR JUNE

Year	Temperature Mean	Maximum	Minimum	Precipitation (inches) Average Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	..	..	3.40	5.40	4.97	5.02	.....	..	..	..	..
1892	74.1	99	41	4.30	3.85	3.77	3.90	.....	..	..	..	..
1893	70.2	99	40	2.06	3.51	4.87	3.81	.....	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	.....	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	.....	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	.....	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	.....	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	.....	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	.....	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	.....	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	.....	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	.....	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	.....	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	.....	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	.....	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	.....	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	.....	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	.....	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	.....	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	.....	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	.....	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	.....	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	.....	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	.....	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	.....	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	.....	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	.....	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	.....	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	.....	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	.....	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	.....	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.81	4.66	.....	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	.....	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	.....	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	.....	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	.....	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	.....	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	.....	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	.....	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	.....	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	.....	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	.....	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	.....	7	18	9	3
1934	74.3	106	41	2.94	3.88	3.07	3.45	.....	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	.....	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	.....	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	.....	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	.....	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	.....	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	.....	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	.....	14	11	10	9
1942	71.4	99	35	4.16	5.38	5.32	5.17	.....	14	9	13	8
1943	**75.0**	102	42	2.69	3.36	4.42	3.64	.....	10	15	11	4
Period	69.8	109	27	3.93	4.61	4.44	4.47	.....	11	13	10	7

Climatological Data for June 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	69.4	+5.9	91	§25	47	§19	2.82	−2.31	1.04	29	.0	8	26	3	1	sw.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	..	..	4.96	+1.31	1.01	16	.0	12	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	78.1	.....	101	26	52	30	1.93	.....	1.40	15-16	.0	5	17	8	5	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	77.2	+5.3	97	27	55	30	1.60	−2.03	1.15	15	.0	5	15	14	1	sw.	University Exper. Station
Martinsburg	Berkeley	435	43	79.4	+8.4	102	25	58	§10	2.17	−1.97	1.50	16	.0	8	22	8	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	47	74.6	+6.8	97	§4	47	30	2.58	−1.02	1.28	9-10	.0	7	16	9	5	w.	R. E. Saville
Piedmont	Mineral	1,053	27	75.6	+7.5	97	§27	50	30	1.45	−2.55	.56	29	.0	8	13	9	8	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	77.4	+7.5	97	§25	49	30	1.96	−1.86	.52	29	.0	9	17	8	5	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	..	..	2.17	−1.85	.28	§9	.0	11	4	5	21	w.	Fred Becker
Wardensville	Hardy	1,200	21	74.6	+9.1	100	13	48	30	3.20	+0.20	2.00	9	.0	9	..	..	..	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	..	..	2.68	−1.68	.96	29	.0	9	4	24	2	w.	L. Esle Bond
Benson	Harrison	1,080	18	75.2	+7.0	97	24	46	30	1.42	−2.89	.34	15	.0	8	12	17	1	.....	R. D. Marts
Bens Run	Pleasants	652	42	77.8	+7.0	98	27	54	30	3.05	−1.17	.85	29	.0	11	29	1	0	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	71.6	.	91	§24	50	§20	2.90	.....	.88	16	.0	9	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	75.8	+6.3	95	§25	47	30	2.51	−1.80	.81	29	.0	9	13	13	4	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	73.8	+5.4	90	§26	50	30	4.30	−0.41	1.30	7	.0	7	18	12	0	.....	H. A. Darnall
Cairo	Ritchie	680	34	75.8	+5.5	95	28	48	30	3.24	−1.27	1.76	6	.0	8	14	15	1	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	74.4	+5.0	93	§24	49	30	2.14	−2.13	.74	25	.0	10	17	11	2	nw.	Clarksburg Water Board
Creston	Wirt	640	42	76.4	+5.7	94	27	49	30	4.12	−0.26	1.10	7	.0	12	7	22	1	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	..	..	2.78	−1.56	.97	16	.0	10	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	..	..	3.11	−0.72	.88	22	.0	11	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	..	..	6.41	+2.42	1.73	17-18	.0	8	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	..	..	1.94	−1.98	.36	§6	.0	8	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	..	..	..	4.50	+0.51	2.90	6	.0	8	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	..	..	..	3.79	−0.42	1.98	5	.0	7	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	72.4	+5.5	90	28	49	30	3.37	−1.69	1.11	24	.0	13	3	20	7	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	76.4	+6.1	95	27	53	30	5.56	+1.15	1.42	§18	.0	9	18	11	1	w.	J. C. Robinson
Glenville	Gilmer	738	55	78.4	+7.3	98	25	50	30	3.88	−0.51	1.36	16	.0	9	20	9	1	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	71.6	+2.5	44	§24	44	30	3.42	−0.71	1.13	16	.0	11	17	8	5	.....	L. W. Clayton
Grantsville	Calhoun	900	1	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	75.0	.....	94	§24	49	30	3.18	.....	.85	13	.0	11	5	17	8	s.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	..	..	4.34	.....	1.88	29	.0	11	9	20	1	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	..	..	1.50	−2.57	.89	29	.0	7	..	..	..	.....	Mrs. U. I. Jenkins
Mannington	Marion	974	41	74.0	+6.2	91	§25	49	30	6.14	+1.86	1.72	15	.0	12	15	12	3	w.	James A. Morgan
Middlebourne	Tyler	750	2	75.2	.....	95	§27	50	30	3.55	.....	1.15	29	.0	10	17	10	3	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	43	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	74.5	+6.3	96	24	44	30	2.81	−1.74	1.44	16-17	.0	8	8	12	10	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	77.0	+5.9	96	27	53	30	2.46	−1.65	.80	29	.0	7	21	9	0	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	77.1	+5.7	94	27	53	30	2.39	−1.61	.49	5	.0	10	11	14	5	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	76.1	+9.2	101	27	48	30	3.29	−1.70	1.05	29	.0	9	12	15	3	nw.	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	..	..	..	3.15	−1.54	1.63	29-30	.0	12	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	67.8	+2.9	88	§27	42	30	6.66	+0.86	2.65	29	.0	12	19	8	3	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	..	..	3.78	−0.53	.98	6	.0	10	14	15	1	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	75.5	.....	95	§23	53	30	2.26	−3.11	.87	29	.0	9	2	1	27	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	..	..	2.55	−1.62	1.30	29	.0	9	..	..	..	.....	Edward Hughes
Terra Alta	Preston	2,559	37	....	.....	..	..	..	..	3.82	−2.36	1.47	29	.0	5	10	12	8	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	..	..	..	4.10	−1.01	1.80	29-30	.0	8	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	75.8	+6.2	95	§24	49	30	2.34	−1.41	1.29	29	.0	7	13	13	4	w.	Roscoe H. Jackson
Wellsburg (near)	Brooke	668	43	74.2	+6.2	98	24	48	30	2.80	−1.34	1.13	28-29	.0	8	17	12	1	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	..	..	2.44	−1.83	1.49	25-26	.0	8	.	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	78.0	+7.6	99	27	50	30	2.71	−1.63	.97	29-30	.0	14	..	..	..	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	75.4	+4.8	94	§24	54	30	2.37	−1.52	1.05	29-30	.0	10	12	13	5	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	....	.....	..	..	..	..	6.37	+2.62	2.43	28	.0	13	20	8	2	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	72.6	+5.2	90	25	50	30	4.51	+0.10	1.23	14	.0	14	15	14	1	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	74.0	+3.9	90	13	54	30	3.08	−1.15	1.31	28-29	.0	11	18	12	0	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	78.7	+5.6	97	27	53	30	3.40	−0.99	1.05	14-15	.0	11	18	8	4	.....	Arnold R. Knapp
Charleston (Airport)	Kanawha	606	5	76.1	.....	95	27	50	30	5.56	.....	1.81	13	.0	12	6	19	5	n.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	..	..	..	4.25	−0.26	1.16	16	.0	12	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	69.2	.....	85	§13	47	30	7.87	.....	2.37	6-7	.0	13	9	16	5	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	75.0	+5.7	92	§23	55	§19	3.39	−1.68	.72	28	.0	14	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	State Forest Nursery
Hamlin	Lincoln	641	..	76.8	.	95	§5	48	30	1.83	. .....	.62	7	.0	9	18	10	2	w.	F. E. Brown
Hinton	Summers	1,431	43	77.6	+7.1	98	§3	52	30	3.09	−1.21	1.42	9	.0	9	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	79.4	+6.5	97	§13	54	30	7.01	+2.78	1.44	14	.0	11	5	22	3	nw.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	..	..	3.10	−2.09	.60	26	.0	13	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	72.2	+5.0	91	26	47	30	3.42	−0.52	.78	29	.0	11	15	14	1	w.	James B. Stuart
Logan	Logan	700	32	78.9	+5.3	97	§6	53	30	4.21	−0.68	.74	18	.0	13	8	21	1	.....	Paul A. Simonds
London Locks	Kanawha	623	8	76.0	.....	95	22	54	30	3.41	.....	.78	9	.0	13	16	12	2	w.	Lockmaster
Madison	Boone	675	21	77.1	+4.8	94	27	51	30	2.86	−1.30	.80	23	.0	10	25	5	0	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	72.8	.....	90	28	48	30	3.39	.....	.91	9	.0	13	19	3	8	.....	W. E. Holy
Pineville	Wyoming	1,350	1	77.0	.....	98	27	52	30	4.36	.....	1.20	27	.0	13	21	8	1	.....	Charles Dameron
Point Pleasant	Mason	595	44	78.2	+5.8	96	28	55	30	4.26	+0.18	1.10	7	.0	13	22	2	6	s.	E. C. Winger
Rainelle	Greenbrier	2,424	12	71.0	+5.5	90	5	48	30	4.04	−1.06	1.21	9	.0	15	12	10	8	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	75.3	+4.8	94	5	50	30	3.59	−0.55	1.07	6	.0	10	10	5	15	sw.	Lockmaster
Richwood	Nicholas	610	1	72.2	+3.8	90	14	50	19	4.96	−0.13	.81	29	.0	14	24	0	6	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	12	79.2	.....	94	§24	50	30	4.42	−0.23	.83	13	.0	12	9	21	0	.....	Sattis Simmons
Ryan	Roane	700	40	73.7	+4.9	88	4	..	..	7.36	.....	2.54	29	.0	10	17	12	1	w.	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	....	.....	..	..	..	..	7.84	+3.33	2.00	28	.0	14	1	24	5	.....	Supt., State Forest
Spencer	Roane	789	40	75.1	+5.4	94	25	50	§29	4.74	.....	.80	25	.0	15	5	19	6	.....	A. M. McKown
Summersville	Nicholas	1,900	7	71.4	.....	92	26	48	19	4.41	−0.55	1.00	29	.0	10	20	10	0	.....	A. E. Dorsey
Sutton	Braxton	850	39	77.2	+5.9	96	§27	50	30	4.29	+0.30	1.62	9	.0	11	20	0	10	.....	C. B. Eakle
Union	Monroe	2,200	32	72.8	+5.0	92	26	48	30	4.97	.....	1.28	24	.0	14	18	10	2	n.	C. B. King
Webster Springs	Webster	1,500	11	74.4	.....	91	§14	52	30	3.85	−0.13	1.21	7	.0	9	4	24	2	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	74.8	+6.8	99	12	51	30	3.63	−1.14	1.05	9	.0	13	17	13	0	ne.	Ashford General Hospital
Williamson	Mingo	673	35	78.6	+6.0	96	13	55	30	3.56	.....	1.08	11-12	.0	12	18	7	5	.....	J. E. Dotson
Winfield Locks	Putnam	571	5	77.7	.....	96	27	54	30											Lockmaster
State averages and extremes			..	75.0	+5.2	102	25	42	30	3.64	−0.83	2.90	6	.0	10	15	11	4	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates.

Daily Precipitation for June 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	.42	T.			T.		.38		.45	T.				.17		.06		.07											1.04	.23		2.82
Braudywine	do																																
Brushy Run [2]	do	1.19						.15		.26	T.	.05	.12	.01	.03			T.					T.				.39			.51	.21		2.92
Harpers Ferry [2]	do	.04								.61	.08	.01	.02		1.00		1.01		.05									.13	1.00	.01	1.00		4.96
Inwood	do	.05						T.		.44		.04		T.	T.		1.40													T.			1.93
Kearneysville	do	.10								.28		.02				1.15														.05			1.60
Knobly Mouutain [2]†	do	.56						.19	.07	.06		.08	.16														.15			.60			1.92
Martiusburg [2]	do	.05	.03					T.		.15	.03	.01					1.50										T.		.25	.15			2.17
McNeill†	do	.26					T.	.10		1.13	.15	T.		T.		T.		T.	.04			T.	.45			T.		T.		.45			2.58
Petershurg	do	.60						.04		.03													.13			.01		.01		.28			1.10
Piedmout	do	.09						.23	.02	.02	T.	.05		T.			.07		.41											.56			1.45
Romney	do	.22						.51	.02	.27	.08	.04															.11	.19		.52			1.96
Spruce Knob [2]†	do	.64	.15				.28	.47		.19			.35		.10		.05	.10	.24								.22		1.90	.61	.37		5.67
Stony River Dam [2]†	do	.22	.20			.02		.27		.28		.28		.13	.17												.08			.24	.28		2.17
Wardensville [2]	do	.50	.03			.07	.04			2.00		.12															.31			.08	.05		3.20
Northern Division																																	
Aberdeen†	West Fork	.15				T.	.01	.10		T.	T.	T.			.58	.08	.04		T.				.22						.54	.96			2.68
Bellington [2]	Tygart	.32	.06			.03	T.	.38		.09		.11			.77		.01	.07	T.				.12			.40				.35	.72		3.43
Bensou †	West Fork	.12					.13	.20	.06						.29	.34	.02													.26			1.42
Bens Run	Ohio	.05				.43		.22				.06		.09		T.		.38				.08	.17		T.	.02			.70	.85			3.05
Big Skin Creek†	West Fork	.03					.35	.27	.02	.15	.17			.28	T.	.23		.07	.04				.11					.08	.02	1.05	T.		2.87
Brandouville	Cheat	.18					T.	.04	T.			.06			.09		.88	.23	.50										T.	.31	.61		2.90
Brownsville †	West Fork	.11					.13	.04		.05					.11	.58							.52					.16	.81			2.51
Buckhannon	Tygart	.67				.10		1.30						.65		.10							.30				T.		1.18			4.30
Cairo	Litl.Kauawha	.07					1.76	.20							.25		.30	.04	.23										.39			3.24
Clarksburg [2]	West Fork	.20					.02	.09							.13		.12		.01								.74		.17	.12	.54		2.14
Crawford	do	.37				.42	.32	.38		.22				.57		.16	.02	T.	.18				.44							.78			3.86
Crestou [2]	Litl.Kanawha	.10				.18	1.05	1.10	.03						.65		.40	.05						.12				.05		.37	.02		4.12
Dailey [2]†	Tygart	.46	.16			T.	.03	.20		.32	.06	T.			.27		.20	.05	.07				.15			.07	.17			.50	.40		3.11
Dam 10, Mon. R. [2]†	Monongahela	.13						.05				.03			T.		.97	.14	.45							.11			.01	.51	.38		2.78
Dam 13, O. R. [2]†	Ohio	.30				.02		.02				.04			.01		.51	.37	.48				.88						.07	.41			3.11
Dam 15, Mon. R. [2]†	Monongahela	.29						T.				T.			.23		1.62	.04	1.69										.74	.72	1.08		6.41
Dam 19, O. R. [2]†	Ohio	.28					.36	.36				T.	T.		.04		.33	.16	.07				T					T.		.34			1.94
Dam 20, O. R. [2]†	do	.12				.08	2.90	.32							T.		.78	.14	T.								.04			.12			4.50
Elizabeth (Dam 3) [2]	Litl.Kanawha	.10				1.98		.32					.21				.85		.08											.25			3.79
Elk†	West Fork					.10		.11						.78			.07													.43			1.49
Elkins [1] †	Tygart	.34			T.	.18	.16	.08		.21	.04	T.		.07			.01	.07	T.	T		.09	T.		1.11				.13	.88			3.37
Fairmout [2]	Monongahela							.02				.03			.40		1.33	.15	1.42							.09			.70	1.42			5.56
Glenville [2]	Litl.Kanawha	T.	.17			T.	.96	.31		.18					.41		1.36	T					.08					T.		.13	.28		3.88
Grafton	Tygart	.06						.04							.04	.60		1.13	.06	.09						.51		.07	.14	.68	T.		3.42
Hackers Creek †	West Fork	.05				.15			.01					.28	.07					.03										.95			1.54
Hall [2]	Tygart	.34	T.			.02		1.06	T.		.08	T.			1.28		.03	T.	T.				.83			.21			T.	.73	.78		5.36
Harrison Co. Airport [2]	West Fork	.18				T.	.06	T.			T.	T.		.85	T.	.38	.37					.10			.75		.08	.01	.08	.32			3.18
Hastings	Ohio	.27					T.	.12				.02		.14	.01	.47	.03	.82	.55				.03							1.88			4.34
Horner	West Fork	.12					.07		.05		.15				.70		.28							.13				.10	.41	.85			2.86
Ireland	do	.10				.15	.12	.42	.30	.25	.04	T.			.30	.25	.05	.08					.55							1.36			3.92
Jane Lew	do	.28				T.	.02	.07							.16		.06						.02							.89			1.50
Kumbrahow St. For. †	[2]Tygart	.55				.04	.25	1.09		.11		.13		.22	.08		.12		.15				.37			.15				2.65			5.91
Maunington	Monongahela	.21				.02		.04			.01	.03		.49		1.72		1.25	.79			.01	.01					T.		T.	1.56			6.14
Middlebourne	Middle Is. Creek	.12					T.	.13	.02			T.			.31		.25	.06	.50				.44			.57				1.15			3.55
Midvale [2]†	Tygart	.39	.12			.03		.51		.23		.03			.48		.05	.06	.05				.18			.09				.06	.76		3.04
Morgantown	Monongahela																																
Mt. Clare	West Fork	.05					.01	.18		.02					.16		.37									.83			.01	.66			2.29
New Cumberland	Ohio	.02					T								.19	.03	.13	.76	.68	T.	T.								.51	.49			2.81
New Martinsville	do	.04				T.	.50	.12			T.				.26		.37		.37											.80			2.46
Parkersburg [1]†	do	T.				.49	.32	.14			T.	T.			.03		.48	.29	.01			T.					.28		.26	.09			2.39
Parsons	Cheat	.74						.41		.48					.48			.04	.05	.02						.02				1.05			3.29
Philippi [2]	Tygart	.22	.04			T.		.16	T.	.04		T.				.28		.18	.12	T.			.15			.02			.31	1.43	.20		3.15
Pickens	do	.79				.07	1.13	.35	.31			.05		.09	.12				.18				.78						.14	2.65			6.66
Roanoke	West Fork	.32					.98	.32		.13	.08				.39	.35	T.		.17				.09							.95			3.78
Rockford †	do	.12					.03	.07	.06		T				.39		.04	T.	T.											.89			1.60
Rowlesburg [2]	Cheat	T.	.17			.08		.24	.04						.27		.06	T.								T.		.18	T.	.87	.35		2.26
Saint Marys [2]	Ohio	.20					.15	.20							.31		.09	.15	.02				T.					.13		1.30			2.55
Salem	West Fork	.19					.02	.18			T			.45		.03			.06			T.	T.			.06	.01	.26	.27	.65			2.18
Shinnston	do	.20						.05						.40	.10	.90	.70	T.											.25	.67			3.27
Terra Alta†	Cheat	.04									T.							.51	1.00							.80				1.47			3.82
Thomas [2]	do	.24	.36					.45		.12	.38				.75															1.55	.25		4.10
Valley Chapel	West Fork	.30				T.	.10	.12	T			T.			.48	.03			.02				T.							1.29			2.34
Valley Head [2]	Tygart	.13	.25				.25	.54		.16	.03				.17		.03	.03	.25					.12	.03		.14	T.	.40	1.04	.60		4.17
Vandalia †	West Fork	.05					.30	1.16		.28							.18		.06				.13						.21	.62			3.37
Wellsburg (near)	Ohio						.30					T.			.29		.18	.30	.48				.12						1 00	.13			2.80
West Milford	West Fork	.07						.10	.01					.45		.10										1.43	.06			.22			2.44
Weston [2]	do	.10	.08				.06	.09	.04	.05	.02				.38		.08		.10				.12	.62						.65	.32		2.71
Wheeling (Dam 12) [2]	Ohio	.13				.02				T.		T.	.02		.27	T.	.33	.10	.42				.03						T	1.03	.02		2.37
Southern Division																																	
Arbovale [2]	Greenbrier	.02				1.04		.48		.06		T.		.01	.13	.01	T.	.46				T	.53		.10		.63	T.	2.43	.47			6.37
Beckley	New	T				.47		.45		.49		.08			1.23	.37		.16				.21	.25		.16	T.	.16	.04	.09	.35			4.51
Bluefield	New							.20	.78	.02		.13						.03	.05				.06			.48	.02		.40	.91			3.08
Camden-on-Gauley [2]	Gauley	.33	.38					.38		.20					.36		.92	.05	.14										.87	.46	.73		4.82
Charleston	Gr. Kanawha					.23		.70		.25		.24			.66	.39	.09	.20				.28				.04				.32			3.40
Charleston (Airport) [4]	do				.03	T.	.65			.38	T.	.61		1.81		.81	.01	.03					.15		.02				.63	.43			5.56
Clay [2]	Elk	.06	.15			.07	.46	.06		.15		T.			.83		1.16	.15	.42					.21		T.					.53		4.25
Flat Top [4]	New	T.				.10	2.05	.50	.66	.03				.09		.23		.22									1.94	.84	.88		.06	.27		7.87
Gary [2]	Big Sandy		T.					.61	.48	.13		.22	.01		.10		.03		.01				T.	.06				.29	.07	.72	.01	.65		3.39
Greenhottom [2]†	Ohio																																
Hinton [2]	New							.79	.03	1.42						.16	.20		.02					.01						.31	.15		3.09
Hogsett [2]	Ohio	.27				.06	.21	.68		.08		.74	.01		.90		.84	1.00	.10											.17	.08		5.14
Huntington	do	.11				.97		1.29		.02		1.26			1.44	.26	.95	.46					T.				21		T.	.04			7.01
Kayford [2]	Gr. Kanawha	.06					T.	.40		.42	.01	.05	.20		.15		.15		.15					.17		.48	.60				.26		3.10
Lewisburg	Greenbrier					.03		.62		.46			.22		.13	.23						.52	.11		.28		.04		.78			3.42
Logan [2]	Guyandot	.28	T.			.02	.05	.48		.71		T.	.34		.58		.30	T.	.74					.19		.04	T.		.08	.40			4.21
London Locks [2]†	Gr. Kanawha	.02	.09					.36		.78		.19	.02		.18		.22		.30							.23	.37	.27	T.		.38			3.41
Madison [2]	Coal		.04							.46		.70			.22		.16		.14				.01	.80		.04				.29			2.86
Oak Hill	New	.03						.23		.91		.18	.25		.06		.23		.59					.30		.05	.13	.02			.41			3.39
Pineville	Gr. Kanawha		.07	T.				.90	.46	.53	T.	.48	.04				.13		.27					.04		.04		1.20		.06	.14		4.36
Point Pleasant [2]	Ohio	.29				.15	T.	1.10	.02	.04		.16			.29		.22	.36	.02							1.04				.46	.11		4.26
Princeton [2]	New							1.26	.21	T.	.17	T.	.11	T.											T.				T.	.36	T.		2.11
Rainelle	Greenbrier	.02					.05	.07		1.21			.25			.69	.27		.32			T.	.24	.01	.03		T.	.35	.02	.46	.05		4.04
Ravenswood [2]	Ohio	.17				.07	1.07	.80		.05					.03		.60	.10								.13				.57			3.59
Richwood [2]	Gauley	.60	.44				.29	.35		.68		.17			.04		.28	.06	.18				.15						.49	.81	.42		4.96

Continued on next page.

Daily Precipitation for June 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha					.80		.33		.35		.11		.83	.05	.67	.05	.04									.42		.02	.75			4.42
Seneca State Forest†	Greenbrier	1.26					.79								.33	.41	.02		.31					.38		.36		.96		2.54			7.36
Spencer [2]	Litl.Kanawha	.11	.16			1.16	.95	.35	.07	.01					.89		.83	.05	T.						1.17		.07		2.60	.02			7.84
Summersville [2]	Gauley	T.	.37	.10			.59	.30		.14	.25	.08			.25			.05	.40							.80	.06	.42		.63	.30			4.74
Sutton	Elk	.38				.55	.40	.41		.07					.46	.38			.06						.70					1.00			4.41
Union [2]	New						.70	.25	1.62								.52		.09					.06			.03	.45	.24	.10	.23		4.29
Wayne [2]	Twelvepole	.23				.02	.26		1.05	.73		.48	T.		.22		.24	T.	.59					.16			.14	.65		.35	.62		5.74
Webster Springs	Elk	.57				.07	.13	.32		.16				.47			.19	.04	.17			.18	.03		1.28	T.		.37		.99			4.97
White Sulp'r Spgs. [2]	Greenbrier						.11	1.21		.69		.11					.63					.17	.06					.17		.70			3.85
Williamson [2]	Big Sandy	.40					.16	.26	.02	1.05		.02			.20		.50	.04	.78								.01	.01			.18		3.62
Winfield Locks [2]†	Gr. Kanawha	.07				.11	.08	.35		.05		.91	.17		.76		.31		.14											.38	.23		3.56

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Houlton; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for June 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	80	80	85	85	78	84	77	80	77	75	80	85	85	85	86	80	83	76	83	85	87	87	89	89	91	90	91	91	75	65		82.8
	Minimum	59	63	58	61	66	60	58	55	56	54	53	55	55	59	56	58	63	62	47	47	47	49	52	50	50	58	57	60	62	48		55.9
Beckley	Maximum	84	84	89	88	87	89	83	86	77	81	82	88	89	87	87	85	74	78	84	86	88	82	87	88	90	89	86	87	81	72		84.6
	Minimum	62	63	61	60	62	61	61	57	62	53	62	63	63	63	64	63	62	61	51	61	60	64	57	62	63	62	62	64	62	50		60.7
Bluefield	Maximum	84	84	87	88	87	88	*82*	83	80	82	81	84	90	*87*	87	84	87	81	82	*85*	88	88	86	87	86	86	*85*	86	86	73		84.8
	Minimum	64	67	66	63	66	*63*	62	61	62	58	61	64	*64*	64	66	64	65	64	56	*63*	62	68	65	64	63	64	63	*65*	64	54		63.2
Brandywine	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		....
Buckhannon	Maximum	82	84	85	87	83	84	83	80	79	80	82	86	89	85	88	80	85	85	85	86	88	85	87	89	88	90	88	90	89	70		84.7
	Minimum	66	65	67	63	66	64	63	61	61	57	62	60	63	61	66	67	66	64	65	56	59	60	60	64	65	66	68	67	67	50		63.0
Cairo	Maximum	87	88	91	90	91	85	88	81	82	83	85	90	91	92	91	83	86	87	88	88	90	92	93	93	94	93	94	95	92	82		88.8
	Minimum	65	64	65	62	65	67	63	65	60	56	63	60	63	65	66	65	63	63	56	58	60	63	60	61	64	67	70	69	69	48		62.8
Charleston (Airport)	Maximum	89	89	92	92	89	92	84	84	82	85	86	91	94	92	90	90	90	84	88	90	92	90	92	94	92	94	95	94	81	71		88.9
	Minimum	65	65	64	63	64	64	61	65	60	60	65	66	65	64	66	65	64	60	60	63	65	64	62	65	65	67	68	68	56	50		63.3
Clarksburg [3]	Maximum	86	87	90	90	83	88	81	82	82	82	85	92	91	92	90	87	88	82	89	89	92	90	91	93	93	91	93	93	79	*68*		87.2
	Minimum	63	66	67	62	64	61	62	62	61	54	57	58	60	61	64	67	65	62	54	57	58	61	60	60	63	65	68	67	68	49		61.5
Elkins	Maximum	82	83	87	87	80	87	77	79	77	77	80	87	86	85	88	80	85	76	83	85	86	84	88	88	87	88	86	90	75	63		82.9
	Minimum	65	68	68	61	66	63	65	62	62	56	61	58	63	62	64	68	65	59	55	56	57	62	60	60	62	64	67	66	60	49		61.8
Fairmont [3]	Maximum	89	88	93	93	83	90	81	82	84	82	86	94	92	92	91	87	89	82	89	89	91	91	91	93	92	92	95	94	80	70		88.2
	Minimum	68	64	69	66	69	61	65	63	61	57	64	61	66	65	69	69	66	63	58	60	61	65	63	64	66	69	72	68	70	53		64.5
Flat Top	Maximum	80	79	83	83	83	84	78	80	72	75	78	83	85	83	83	79	82	74	81	81	83	78	83	82	83	85	84	83	70	64		80.0
	Minimum	63	64	62	65	58	57	59	59	53	50	58	58	62	62	62	62	60	52	48	54	55	63	63	61	60	58	61	63	55	47		58.5
Gary [3]	Maximum	89	89	90	91	90	91	86	85	80	84	86	91	91	90	88	88	88	81	88	88	91	86	92	89	92	91	92	90	78	73		87.6
	Minimum	*65*	61	60	62	64	63	64	63	63	58	58	61	63	65	65	65	65	64	55	56	61	64	65	63	63	63	65	65	67	55		62.4
Glenville	Maximum	90	90	93	94	93	90	90	86	84	85	90	94	95	95	92	89	90	92	91	92	95	94	96	97	98	95	93	97	94	81		91.8
	Minimum	66	67	65	63	66	65	64	65	64	60	66	63	65	64	70	67	65	66	60	61	63	66	65	65	68	69	70	68	71	50		64.9
Grafton	Maximum	82	83	88	88	88	88	88	79	79	80	82	87	90	89	89	88	82	82	85	86	88	88	89	94	94	89	92	92	92	79		86.7
	Minimum	59	59	61	55	61	56	57	53	55	49	56	53	56	57	59	62	61	58	48	51	53	56	54	56	57	60	64	61	63	44		56.5
Huntington	Maximum	89	90	92	92	90	90	90	87	86	87	87	92	97	95	92	92	89	87	88	92	95	94	95	94	93	97	95	94	86	83		91.0
	Minimum	66	72	67	68	68	67	65	66	64	63	66	68	71	70	71	69	68	66	63	65	71	71	66	67	70	72	71	73	73	54		67.7
Lewisburg	Maximum	86	86	87	89	88	88	84	85	79	82	84	86	90	88	85	84	87	79	85	87	86	84	89	84	88	91	87	87	79	72		85.2
	Minimum	61	59	58	55	62	60	61	69	62	54	60	58	60	64	64	59	59	59	48	57	53	61	61	60	61	61	63	60	64	47		59.3
Logan [3]	Maximum	92	92	96	96	95	97	88	89	84	87	88	94	97	94	93	92	93	86	89	93	95	92	95	93	95	95	97	95	83	75		91.7
	Minimum	66	66	64	66	67	69	64	66	65	64	64	66	67	68	70	68	65	66	61	62	66	68	65	66	67	68	73	69	73	53		66.1
Madison [3]	Maximum	89	89	92	93	91	92	84	87	82	85	85	92	93	91	92	89	91	85	89	91	92	90	90	92	92	93	94	93	81	74		89.1
	Minimum	64	65	67	63	65	67	72	65	64	62	65	66	65	66	69	66	64	65	59	63	65	67	63	64	66	66	69	68	71	51		65.1
Mannington	Maximum	86	86	88	89	88	87	84	79	82	81	83	89	89	89	87	84	85	81	86	86	87	89	89	90	91	90	91	90	85	77		86.3
	Minimum	62	65	67	62	65	56	63	59	58	54	62	58	61	69	66	66	64	61	56	56	60	63	59	60	63	66	69	66	67	49		61.7
Martinsburg [3]	Maximum	91	94	100	100	95	89	83	76	70	76	88	91	101	95	98	92	99	89	94	98	97	99	97	98	102	101	100	100	83	75		92.4
	Minimum	66	65	66	69	69	67	67	61	62	58	60	63	66	69	66	70	70	69	62	64	65	66	69	67	68	69	71	74	73	58		66.3
New Martinsville	Maximum	89	88	91	92	84	89	81	83	85	82	87	92	92	93	90	88	88	86	91	90	91	94	93	95	95	95	96	95	90	76		89.4
	Minimum	66	68	70	67	66	59	65	63	60	58	63	63	67	68	70	69	65	65	60	61	63	65	65	63	65	70	72	69	62	53		64.7
Parkersburg	Maximum	89	89	91	92	83	89	82	79	80	84	84	91	94	92	89	88	85	83	88	90	92	91	89	92	92	93	94	94	80	66		87.5
	Minimum	69	74	73	72	69	65	65	64	61	60	68	65	71	68	71	68	68	66	60	62	67	69	64	65	68	71	74	69	62	53		66.7
Pickens	Maximum	79	80	82	85	83	84	80	84	82	77	75	64	64	80	82	83	84	76	81	84	86	85	84	85	85	86	88	88	64	63		80.1
	Minimum	57	58	59	56	58	57	54	56	51	48	53	53	58	55	55	56	57	56	57	57	58	54	56	57	57	58	59	57	59	42		55.6
Point Pleasant	Maximum	86	87	91	92	92	86	85	80	80	81	82	93	93	92	92	89	89	82	87	90	90	90	91	91	91	93	95	96	93	83		88.7
	Minimum	68	72	68	69	69	66	65	65	64	62	66	66	72	69	72	70	68	66	62	65	69	71	65	65	68	72	72	75	72	55		67.6
Rainelle	Maximum	86	85	89	89	90	89	85	85	82	81	80	81	85	87	86	82	86	83	85	85	87	84	88	89	89	81	89	86	76	72		84.7
	Minimum	57	55	54	52	69	58	57	60	61	54	60	59	59	58	61	59	58	58	50	53	54	59	56	58	58	59	60	58	61	48		57.4
Ravenswood	Maximum	85	86	88	88	94	84	84	79	80	81	82	88	87	89	92	85	84	82	85	87	89	91	90	93	90	91	90	91	90	79		86.8
	Minimum	66	71	65	66	65	63	63	62	61	57	65	61	62	65	69	68	64	62	57	59	64	65	62	61	64	67	69	71	70	50		63.8
Romney	Maximum	87	90	95	95	89	88	85	81	78	79	84	88	94	90	93	89	93	92	91	94	93	95	94	95	97	95	94	97	96	82		90.4
	Minimum	62	61	73	65	75	62	62	77	77	77	71	58	60	63	60	68	65	61	75	54	55	61	57	55	62	62	68	69	67	49		64.4
Spencer [3]	Maximum	88	87	90	91	85	89	82	83	81	84	85	90	93	91	86	87	87	83	88	89	92	91	91	91	94	92	92	82	72	78		87.1
	Minimum	65	67	65	64	66	63	62	65	63	58	59	60	65	64	68	65	64	63	57	59	63	67	64	65	67	68	69	68	50	50		63.1
Sutton	Maximum	88	89	92	93	93	91	90	90	90	85	86	92	93	93	93	92	92	92	90	90	92	92	94	94	95	95	96	96	93	87		91.6
	Minimum	64	62	63	62	64	63	60	63	65	57	63	61	63	64	67	65	64	63	66	60	61	63	59	63	65	64	66	67	64	50		62.7
Wardensville [3]	Maximum	87	93	98	88	86	86	86	92	68	79	82	87	100	86	93	87	93	83	88	93	92	93	89	93	94	93	*91*	91	80	70		88.0
	Minimum	63	60	58	68	65	64	62	63	61	58	61	60	63	63	61	67	64	62	54	56	57	62	59	58	63	63	63	58	65	69		61.2
Weston	Maximum	90	89	92	93	90	93	90	85	86	85	90	89	95	95	91	89	92	89	90	93	95	92	97	98	98	96	99	98	96	81		91.9
	Minimum	65	70	68	63	67	65	64	62	61	60	64	60	60	62	69	67	68	64	58	59	60	65	63	67	67	69	70	71	68	50		64.2
Wheeling [3]	Maximum	85	85	87	88	85	86	79	79	80	80	84	89	89	90	90	87	85	83	87	88	92	90	90	94	93	94	94	92	80	72		86.6
	Minimum	65	70	74	70	66	60	60	60	59	57	65	58	63	56	68	68	67	62	60	62	62	65	63	63	64	70	72	70	72	54		64.2
Williamson [3]	Maximum	90	91	94	95	93	93	87	89	82	86	88	94	96	93	91	92	91	84	89	93	93	92	93	91	92	92	95	94	83	75		90.4
	Minimum	65	64	66	67	69	69	65	67	65	65	66	69	70	67	70	68	67	67	62	62	67	69	69	67	68	69	71	70	71	55		66.9

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.116	.163	.219	.266	.244	.077	.223	.133	.188	.226	.139	.155	.238	.161	.198	.110	.082	.283	.087	.249	.272	.215	.273	.274	.233	.236	.195	.269	.208	.330		6.062
	Wind movement	8	27	60	56	44	10	29	41	31	32	31	6	28	36	17	18	20	53	52	20	32	28	30	21	37	14	31	25	65	64		966
Wardensville	Evaporation	.091	.195	.661	.137	.220	.132	.202	.102	.148	.078	.136	.130	.200	.254	.252	.250	.179	.305	.260	.241	.247	.245	.246	.273	.202	.216	.252	.171		.157		6.395
	Wind movement	13	27	21	40	37	81	34	21	23	44	24	19	41	32	17	45	31	39	40	23	37	6	22	24	27	23	42	16	65	33		947

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 7-30-43—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG, W. VA., JULY 1943 No. 7

GENERAL SUMMARY

Temperatures averaged slightly above normal but with small deficiencies at the high-level stations. The cool period prevailing at the close of June ended on July 2d. The remainder of the month was uniformly rather warm. Precipitation was extremely heavy in the northern division and in the northern and southeastern parts of the southern division. The northeastern panhandle division experienced drought conditions and Mingo county was also exceptionally dry. The heavier amounts of precipitation were well distributed throughout the month, except that in the extreme north-central part of the southern division and in the central portion of the northern division the tendency was for very heavy rains to occur in the last week of the month.

The month was characterized by destructive flash-floods, thunderstorms and winds. Destructive flash-floods occurred on the 28th and 29th in the vicinities of Wellsburg, Wheeling, Burnsville and Spencer. Damage at Wheeling ran into the hundreds of thousands of dollars, while the other places reported damage between $25,000 and $30,000 each. At Wheeling the damage was from the tributary streams and was comparable to that caused by the Ohio River inundations of the past, while at Burnsville and Spencer the floods were the worst in many years. Damage in the cities was principally to streets, business houses, dwellings and gardens, while in the country the damage was to bridges and crops, while the loss of livestock was considerable. A man was killed by lightning in a field near Mt. Clare on the 7th. Excessive rains on the 14th and 15th caused considerable damage to the storm sewer system and the business district in Bluefield, while high wind on the 29th broke plate glass windows and removed a portion of a roof at Point Pleasant.

The growth of all field crops during the month was rapid, tending to equalize the bad effects of the lateness of the planting season. Very heavy crops of timothy hay and also the legumes were obtained. Corn made excellent growth as did soybeans and Victory gardens. Fruit, however, suffered by too much hot humid weather. Also potatoes and, to some extent, tomatoes blighted in many places. The close of the month saw a drought in much of the northeastern panhandle division and water-soaked ground in the north-central part of the State.—C.L.W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 73.4°, or 0.2° above the normal. The mean for the northeastern panhandle division was 73.3°; for the northern division, 73.3°; and for the southern division, 73.6°. The highest monthly mean was 78.6° at Huntington and the lowest, 63.5° at Pickens. The highest temperature was 101° at Martinsburg on the 17th, and the lowest, 34° at Bayard on the 1st and 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 127 stations, was 6.56 inches, or 1.90 inches above normal. In the northeastern panhandle division the average was 5.22 inches; in the northern division, 8.17 inches; and in the southern division, 5.15 inches. The greatest monthly precipitation was 15.51 inches at Pickens, and the least, 1.97 inches at Williamson. The greatest amount in any 24 consecutive hours was 4.16 inches at Weston on the 13-14th. The average number of days with .01 inch or more of precipitation was 13.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	13	11	5	2	2	2	2	7	3	13	3	8	9	17	13	5	30	4	4	18	3	27	1	16	18	5	5	16	1	1	2	23
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	2	..	1	..	..	..	1	1	1	1	..	1	..	1	1	..	..	..	1	..	..	..	1	..	3	4	..	..
Hail	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	4	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	1	..	1	..	1	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	21	7	6	21	12	8	8	7	20	18	5	9	..	17	6	..	3	1	17	..	..	8	27	3	28	27	10	1	

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level) Highest	Date	Lowest	Date	Wind Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.27	1	29.72	28	5.4	21	w.	28	86	54	67	67	0
Columbus, Ohio	30.29	1	29.72	29	7.8	34	w.	21	86	54	65	63	1
Elkins	30.34	2	29.78	29	4.6	28	nw.	17	93	64	81	49	11
Huntington Airp't	30.27	2	29.77	28	.....	24	w.	14	90	58	76	....	0
Parkersburg	30.29	2	29.74	29	4.5	27	nw.	22	88	58	70	53	1
Pittsburgh, Pa	30.32	2	29.72	29	8.3	42	nw.	27	83	54	65	67	3

COMPARATIVE DATA FOR JULY

Year	Temperature Mean	Maximum	Minimum	Precipitation (inches) Average Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	**67.5**	..	..	5.08	6.57	3.50	5.59	0.0	..	..	..	..
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	..	..	..
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	13.32	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	7
1942	73.9	103	41	2.89	4.68	4.91	4.44	.0	12	13	12	6
1943	73.4	101	34	5.22	8.17	5.15	6.56	.0	13	10	13	8
Period	73.2	112	31	3.83	4.77	4.66	4.66	.0	11	14	11	6

Climatological Data for July 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	66.2	−1.4	85	§12	34	§1	11.47	+7.23	3.16	26	.0	18	18	11	2	w.	Lewis T. Clark
Berkeley Springs	Morgan	780	1	....	.....	..	..	..	..	....	.....	....	..	....	..	..	..	..	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	72.4	+1.1	93	17	43	1	7.45	+3.88	1.95	6	.0	13	19	2	10	sw.	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	..	..	3.91	+0.41	1.03	14	.0	12	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	75.8	.....	96	21	41	§1	5.65	.....	1.90	13	.0	9	11	18	2	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	75.4	−0.7	94	§20	42	1	3.25	+0.06	1.74	13	.0	11	12	12	7	sw.	University Exper. Station
Martinsburg	Berkeley	435	43	77.9	+2.2	101	17	41	1	2.69	−0.93	.65	29	.0	11	23	8	0	w.	Dr. H. S. Gardner
McNeill	Hardy	800	47	72.2	+0.6	95	19	38	1	3.33	+0.30	.91	8	.0	10	10	10	11	w.	R. E. Saville
Piedmont	Mineral	1,053	27	72.8	+0.5	91	§18	43	1	3.75	+0.27	.65	29	.0	13	8	13	10	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	....	.....	..	..	..	..	.....	.....	....	..	.0	..	..	..	..	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	..	..	7.31	+3.17	2.78	26	.0	14	3	11	17	w.	Fred Becker
Wardensville	Hardy	1,200	21	72.4	+1.8	93	20	41	1	3.20	+0.10	.82	26	.0	15	..	..	..	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen	Upshur	1,060	18	....	.....	..	..	..	..	9.09	+4.30	1.67	30	.0	14	6	18	7	.....	L. Esle Bond
Benson	Harrison	1,080	18	74.8	+2.3	95	11	43	1	9.46	+4.31	1.95	26	.0	14	10	19	2	.....	R. D. Marts
Bens Run	Pleasants	652	42	76.8	+1.7	94	§20	51	1	5.21	+0.68	1.38	28	.0	12	27	4	0	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	68.6	.....	87	§23	35	1	7.00	.....	2.63	26	.0	11	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	74.8	+1.0	98	28	46	1	7.57	+2.77	1.20	26	.0	14	12	17	2	s.	M. D. Hawkins
Buckhaunon	Upshur	1,411	42	71.5	−0.3	87	25	49	2	7.69	+2.97	1.16	28	.0	15	15	15	1	.....	H. A. Darnall
Cairo	Ritchie	680	34	74.4	+0.1	94	§17	47	§1	8.46	+4.04	2.50	18	.0	11	10	18	3	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	72.3	−1.5	90	17	44	1	9.01	+4.94	2.03	13-14	.0	16	13	14	4	nw.	Clarksburg Water Board
Creston	Wirt	640	42	75.4	+0.7	94	§17	50	2	6.55	+2.33	1.36	29	.0	14	9	16	6	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	..	..	4.79	+0.71	1.61	10	.0	13	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	..	..	9.48	+5.12	2.25	8	.0	13	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	..	..	5.72	+1.79	1.02	30	.0	14	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	..	..	5.73	+1.80	1.45	5	.0	13	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	.	..	..	..	6.33	+2.40	1.85	18	.0	11	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	..	..	..	6.39	+1.99	1.54	28	.0	12	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	70.6	+0.3	88	17	44	1	9.35	+3.97	2.20	11-12	.0	14	3	10	18	se.	U. S. Weather Bureau
Fairmont	Marion	883	44	75.0	+0.7	93	25	47	1	5.63	+1.23	1.00	28	.0	13	15	8	8	w.	J. C. Robinsou
Glenville	Gilmer	738	55	76.8	+1.5	96	17	50	§1	7.66	+2.79	1.76	28	.0	14	10	16	5	w.	Howard R. Braunou
Grafton	Taylor	1,050	40	69.3	−3.3	88	§24	38	1	7.45	+3.37	1.20	13	.0	13	14	9	8	sw.	L. W. Clayton
Grantsville	Calhoun	900	1	....	.....	..	..	..	..	.....	.....	....	....	....	..	..	..	..	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	72.9	.....	90	17	44	1	6.54	.....	1.59	7-8	.0	16	3	19	9	s.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	..	..	4.93	.....	1.32	8	.0	14	9	15	7	sw.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	..	..	12.70	+7.76	3.40	12	.0	17	..	..	..	.....	Mrs. U. I. Jenkius
Mannington	Marion	974	41	72.5	+0.7	90	25	44	1	5.55	+0.76	1.89	28	.0	13	11	15	5	w.	James A. Morgan
Middlebourne	Tyler	750	2	73.8	.....	93	25	46	1	8.48	.....	2.67	9	.0	13	17	8	6	sw.	L. A. Crumrine
Morgantown	Monongalia	1,300	43	73.3	−0.2	89	§17	42	1	3.64	−0.74	.85	26	.0	12	18	5	8	sw.	State Horticultural Farm
New Cumberland	Hancock	671	43	73.6	+0.6	93	17	44	1	8.50	+4.42	3.73	7	.0	15	4	11	16	se.	C. O. Valentine
New Martinsville	Wetzel	637	44	76.2	+1.0	94	25	53	2	6.16	+1.67	1.38	4	.0	13	22	8	1	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	76.0	+0.6	92	17	52	1	6.29	+2.00	1.73	17	.0	14	8	8	15	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	72.5	+1.7	94	22	42	1	7.93	+2.84	2.55	8	.0	14	5	14	12	nw.	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	..	..	..	5.40	+0.67	.85	§5-6	.0	17	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	63.5	−5.1	86	24	39	1	15.51	+9.47	2.90	30	.0	16	9	16	6	.....	Dr. J. L. Cunningham
Roauoke	Lewis	1,050	19	....	.....	..	..	..	..	8.08	+3.19	1.37	29	.0	12	6	17	8	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	72.6	.....	90	§5	44	1	8.19	+2.99	3.47	26-27	.0	13	0	2	29	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	..	..	5.75	+1.59	1.98	18	.0	9	..	..	..	.....	Edward Hughes
Terra Alta	Preston	2,559	37	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	..	..	..	8.10	+1.61	1.33	8	.0	14	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	74.6	+0.6	94	17	47	1	8.23	+3.30	1.59	8	.0	15	8	19	4	w.	Roscoe H. Jackson
Wellsburg (near)	Brooke	668	43	73.2	+1.0	92	25	40	1	9.33	+5.15	1.95	26	.0	11	15	10	6	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	..	..	9.75	+5.10	1.84	7-8	.0	16	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	76.0	+1.6	94	24	49	1	11.33	+6.91	4.16	13-14	.0	16	..	..	..	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	74.6	−0.2	91	25	47	1	9.18	+4.88	2.29	28	.0	10	9	14	8	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	....	.....	..	..	..	..	6.20	+1.49	1.77	7	.0	15	12	15	4	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	70.8	−0.4	88	§16	45	1	3.46	−0.92	.91	14	.0	12	12	19	0	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	72.3	+0.7	87	§17	50	1	8.41	+4.34	2.75	14-15	.0	18	8	14	9	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	78.0	+1.1	97	17	52	1	3.49	−1.29	1.24	6	.0	13	11	11	9	.....	Arnold R. Knapp
Charleston (Airport)	Kanawha	606	5	75.6	.....	95	17	50	1	4.02	.....	.89	4	.0	12	2	18	11	n.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	..	..	..	5.77	+0.79	.98	28	.0	14	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	68.0	.....	83	§16	47	1	4.79	.....	1.39	12	.0	15	5	14	12	s.	U. S. Airway Station
Gary	McDowell	1,426	26	74.2	+1.1	91	18	53	1	4.93	0.00	1.15	§5	.0	12	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	State Forest Nursery
Hamlin	Lincoln	641	..	76.2	.....	94	17	47	2	3.57	.....	.62	4	.0	12	5	18	8	nw.	F. E. Brown
Hinton	Summers	1,431	43	75.8	+1.4	97	§20	50	§1	3.88	−0.19	.90	5	.0	13	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	78.6	+2.0	96	§17	57	1	4.01	−0.29	1.11	4-5	.0	12	7	17	7	sw.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	..	..	4.10	−1.07	2.25	5	.0	12	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	70.4	−0.6	88	§16	46	1	2.96	−0.93	.53	9	.0	16	12	15	4	w.	James B. Stuart
Logan	Logan	700	32	77.8	+1.8	95	§17	51	1	3.15	−1.78	.92	5	.0	13	1	18	12	.....	Paul A. Simonds
London Locks	Kanawha	623	8	75.2	.....	91	24	51	1	3.93	.....	1.65	5	.0	13	14	14	3	e.	Lockmaster
Madison	Boone	675	21	75.9	+1.1	93	17	50	1	4.33	−1.00	2.00	11	.0	10	21	7	3	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	70.8	.....	89	17	44	1	3.71	.....	.76	27	.0	10	8	2	21	.....	M. H. Martin
Pineville	Wyoming	1,350	1	76.0	.....	94	§16	50	1	6.53	.....	1.45	15	.0	12	3	22	6	.....	Charles Dameron
Point Pleasant	Mason	595	44	76.6	+0.2	92	§16	55	1	7.54	+3.40	2.59	5	.0	9	18	6	7	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	69.6	+0.1	88	16	44	1	5.99	+0.20	1.04	6	.0	18	8	8	15	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	73.6	−1.5	90	§15	51	1	7.99	+3.97	3.14	29	.0	10	6	7	18	sw.	Lockmaster
Richwood	Nicholas	610	1	70.2	−1.6	88	§11	49	1	5.86	−0.98	.74	27	.0	13	12	4	15	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	12	....	.....	..	..	..	..	....	.....	....	....	....	..	..	..	..	.....	Sattis Simmons
Ryan	Roane	700	40	72.9	−0.2	94	§17	44	1	6.18	+1.58	3.12	29	.0	12	6	20	5	.....	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	....	.....	..	..	..	..	5.06	.....	.90	9	.0	16	16	11	4	.....	Supt., State Forest
Spencer	Roane	789	40	74.4	+0.8	92	17	50	1	8.64	+4.40	3.20	29	.0	12	2	23	6	.....	A. M. McKown
Summersville	Nicholas	1,900	7	71.4	.....	90	17	47	1	5.27	.....	1.19	28	.0	11	5	15	11	.....	A. E. Dorsey
Sutton	Braxton	850	39	74.6	−0.2	94	§17	49	1	8.05	+2.72	1.44	§17-18	.0	11	20	10	1	.....	C. B. Eakle
Union	Monroe	2,200	32	71.0	−0.6	90	§15	48	1	3.19	−0.60	.87	9-10	.0	10	10	0	21	.....	C. B. King
Webster Springs	Webster	1,500	11	72.8	.....	89	18	49	1	9.96	.....	1.85	9	.0	13	16	12	3	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	71.2	−0.4	95	18	46	§1	6.16	+2.24	1.21	9	.0	16	2	25	4	.....	Ashford General Hospital
Williamson	Mingo	673	35	77.9	+1.8	95	17	53	1	1.97	−2.16	.89	5	.0	11	5	15	7	ne.	J. E. Dotson
Winfield Locks	Putnam	571	5	76.4	.....	94	17	54	1	6.70	.....	1.38	§18	.0	9	8	10	13	sw.	Lockmaster
State averages and extremes	.....	.....	..	73.4	+0.2	101	17	34	§1	6.56	+1.90	4.16	13 14	0.0	13	10	13	8	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates.

Daily Precipitation for July 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac					1.35	.10		1.10	1.08	.15	.02	1.23	.64	.33	.15			.36			.02	.50				3.16	.09	.70	.34	.15		11.47
Brandywine	do				.04	.21	1.95		1.55	.87	T.	.03	.38	.18					.50														7.45
Brushy Run [2]	do					.09	.33	.20	2.05	.60		.05	.10	.08		.13			.61				.10				.18	.11	.52	.12	.10		5.37
Harpers Ferry [2]	do					.98				.12	T.	.11			1.03	.13			.05	.02			.14				.31	.97	.03	.02			3.91
Inwood	do				.15				.50	T.	.30			1.90	.10				1.00							.55		1.10	.05			5.65
Kearneysville	do					.16			.09		T.	.10	.30	1.74	.03				.31				.04			.32		.13	.03			3.25
Knobly Mountain [2]†	do					.71			.52			.37	.15	.23	.25				.03				.06			.40		.38	.14			3.24
Martinsburg [2]	do					.25			.38			.15		.01	.25				.40	.20			.10			.20		.10	.65			2.69
McNeill †	do					.20			.91			.44	.21						.18				.18		T.	.77		.25	.17	.02	T.	3.33
Petersburg	do					.16	.02		1.50	.02	.46	2.02	.04	.50					.16				.08			.49		.47	.47	.37		6.76
Piedmont	do				.37				.46	.02	.03	.42	.13	.11				.02	.35				.08			.51		.60	.65			3.75
Romney	do																																
Spruce Knob [2]†	do					.68	.18	.38	1.80	1.14	T.	.58		.23					.68	.07			.39				.37	.10	.60	1.10	.89	.04	9.23
Stony River Dam [2] †	do						.35		1.39	.02	.11	.08	.09	.10	.10				.44				.17				2.78		1.00	.44	.24		7.31
Wardensville [2]	do					.06		.05	.62	.07	.17	.22		.02	.09				.31				.06				.82	.01	.20	.49	.01		3.20
Northern Division																																	
Aberdeen†	West Fork				.27	.74	.08	T.	.12	.04	T.	.56		.91		.03			1.41				.38			1.05		.80	1.03	1.67		9.09
Belington [2]	Tygart					1.11	.54		2.69	.20	T.	.01	.13	1.05	.06	.03			.84	T.		T.	.39			.29	.28	1.13	.68	1.53	T.	10.96
Benson †	West Fork				.02	.75	.20	1.91	.24	.10			.12						1.03			.02	.45			1.95		.35	1.20	1.12		9.46
Bens Run	Ohio				.40	.06		.26		.07				T.	.09	.05			.41		T.		.38			1.23		1.38	.50	.38		5.21
Big Skin Creek†	West Fork				.20	.68	.09	.33	.02	.13			.82	.24					.22	.48	.04		.82			.58		2.00	.70	.28	T.	7.63
Brandonville	Cheat					.80			.39	.85	.10				.33	.05			.26	T.			.20			2.63		1.07	.32			7.00
Brownsville †	West Fork				.38	.79			.69	.14			.15	.97				.05	.50			.04	.71			1.20		.74	.95	.26		7.57
Buckhannon	Tygart				.26	.88	T.	.10	.15	.06	.17		.67	.03		T.		.46	.67				.69			.87		1.16	.74	.78		7.69
Cairo	Litl.Kanawha				.10	1.12	.05	.07			.05								2.50				.44			.39		.71	2.33	.70		8.46
Clarksburg [2]	West Fork					.22	.20		1.19	1.05		.03		1.28	.75	.15			1.33			.04	.23			1.20	.05	.24	.63	.42		9.01
Crawford	do				.18	.37	.15	T.	.03	T.			.01	.53	T.	.51		.43	.41			.08	.62		.28	1.52		1.14	1.99	.40		8.65
Creston [2]	Litl.Kanawha					.75	.14	.14	.07			T		.34	.30				1.08	.02			.52			.72	.19	.67	1.36	.25		6.55
Dailey [2] †	Tygart					.63	.08	.03	.83	.08	T.		.73	.45		.02			1.18	.01			.41			.33	.32	.51	1.02	.87	.12	7.62
Dam 10, Mon. R. [2]†	Monongahela					.63			.36	.16	1.61	T.		.02					.02			.02	.22			.75	.04	.90	.03	.03		4.79
Dam 13, O. R. [2]†	Ohio					1.47			2.25	.77	.20		.08	.11					2.12			.31	.03			.62		.96	.54	.02		9.48
Dam 15, Mon. R. [2]†	Monongahela					.63			.47	.20				.28	.06	.02			.30			.05	.55			.93	.02	.99	.20	1.02		5.72
Dam 19, O. R. [2]†	Ohio					1.45	T.		.08	.04	T.	.12			.22	.08			1.25	T.			.62			.27	.05	.27	.80	.48		5.73
Dam 20, O. R. [2]†	do					.20		.29		.08	.05	.20			T.				1.85				.72			.94	.05	T.	1.35	.60		6.33
Elizabeth (Dam 3) [2]	Litl.Kanawha				.16	.35	.05				.07			.26					.23	.86			.95			.63		1.54	1.07	.22		6.39
Elk †	West Fork				.10	.63		.70	.13				.48	.06		.66			.60				.47			1.10		.95	1.04	.85		7.77
Elkins [1] ‡	Tygart				1.12	.04	.26	1.10	.06	T.	T.	.55	1.98	T.				.69	.49		T.		.31		T.	.33		1.56	.29	.57		9.35
Fairmont [2]	Monongahela					.76	.05		.74	.12		T.		.07	.53	.04			.10				.65			.70		1.00	.32	.55		5.63
Glenville [2]	Litl.Kanawha					.86	.26	T.	T.	.05	T.	.06	.05	.11					.34		.12		.45			.27	.13	1.76	1.68	1.52	T.	7.66
Grafton	Tygart					.76	.27		1.18	.75		.07		1.20		.01			.41			1.02				.45		.41	.66	.26		7.45
Hackers Creek †	West Fork				.15	.67	.95	1.56	.40	.63	.09		1.50	.71					.54				.41		.08	.96		2.01	1.41			12.07
Hall [2]	Tygart					.79	.04		.74	.42	.04	.57		.10	.03	.32			1.67	T.			.83			.86	.32	1.52	.94	1.09		10.28
Harrison Co. Airport [2]	West Fork				.37	.04		1.56	.51	.02	.05		.51	.35	.04	.01		.36	T.		.01		.39			.41	T.	1.46	.45			6.54
Hastings	Ohio				.30	.47		.04	1.32	.12	.04			.13			.20			.02			.69			.47		.08	.86	.19		4.93
Horner	West Fork				.22	.62	.40	.63		.10			.10	.46		.12			1.15				.52			.50		1.50	1.04	.27		7.63
Ireland	do				.16	.38				.70	.10		.05	.48		.05			.69		T.		.60		10	1.67		1.31	1.15	1.46		8.90
Jane Lew	do				.06	.65	1.06	.16	.83		.12	.08	3.40	.47		.06			.86				.59			1.27	.53	1.44	1.10	.02		12.70
Kumbrabow St. For. †	[2]Tygart																																
Mannington	Monongahela				.45	.04		.49	.62	.12	T.					.10		.02	.03				.87			.49		1.89	.30	.13		5.55
Middlebourne	Middle Is. Creek					.55			1.70	2.67	.04	.02	.04		T.	.07			.11				.31			1.06		.02	.98	.91		8.48
Midvale [2]†	Tygart					1.61	T.		3.15	.53	.17		.17	.92		.07			.81				.55			.37	.48	1.29	1.11	.91	.04	12.18
Morgantown	Monongahela				.43	.20		.35	.15	.01			.05	.50				T			.12		.18			.85		.70	.10			3.64
Mt. Clare	West Fork				.59	.06		.86		.17	.12		1.49		.04	.43	.52	.31					.55			1.32		.36	1.11	.65		8.58
New Cumberland	Ohio				.32	.33		3.73	.11	.21	.04			.23		.10		.28	1.04				.04			1.51		.31	.16		.09	8.50
New Martinsville	do				1.38	.02		1.11	.26		T.		.10					.25	.08		.03		.80			.73		1.03	.22	.15		6.16
Parkersburg [1] ‡	do				.57	.80	.09	.01	T.	T.	.01	.04		.25	.11	T.		1.73					.46		.05	.15		1.22	.80			6.29
Parsons	Cheat				.22	.67	.03		2.55	.05				.43		.08		.35				.03	.31			.97		.66	1.20	.38		7.93
Philippi [2]	Tygart					.76	.09	.11	.68	.08		.01		.08	.01	.07			.39	T.		.03	.49	T.		.37	.06	.50	.85	.82		5.40
Pickens	do				.47	1.27	1.14	1.36	.14	.50			.42	.12				.98	.53			1.11			.22	.82		1.95	1.58	2.90		15.51
Roanoke	West Fork				.12	.84		T.	.42				.40	.12					.56			.20	.84			1.20		1.26	1.37	.75		8.08
Rockford †	do				.10	.60	.20	1.80	.07		.12	.05	1.79	.06		.02			.67				.41		.10	.80		1.10	1.20	.95		10.04
Rowlesburg [2]	Cheat					.53	.09	T.	.17	.04			T.	.38	.09	T.			.47		T.	.41	T.			3.27	.20	1.04	.37	1.13		8.19
Saint Marys [2]	Ohio					.66			.02	T.						.30			1.98			.42				.54		.12	1.21	.50		5.75
Salem	West Fork				.19	.13	.05	.19	.57	.01	.13		T.			.33		.51	.11		.20	.41				1.13		.37	.67	.46		5.46
Shinnston	do					.25	.70	1.25	.40				.75	.20	.20	.10	.50		.40			.32				.40		.60	.74	.20		7.01
Terra Alta †	Cheat													.94		.24		.19	.37		.05	.22			1.92		.38	.21	.19		
Thomas [2]	do					.80	.22		1.33	.22			.12	.22	.39				.82			.36			.77	.29	.80	.99	.77		8.10
Valley Chapel	West Fork				.03	.86	.07	.60	1.59	.10			.26	.16		.23			.77			.52		T.	.88		.58	1.00	.58		8.23
Valley Head [2]	Tygart					.78	.37	.26	.95	1.10	.05	T.	1.54	.08					.70			.80	T.			.28	.49	.51	1.18	1.81	.19	11.09
Vandalia †	West Fork				.33	.34	.28	.38			.05		.49					.16	.55			.75				1.25		2.57	.67	.89		8.71
Wellsburg (near)	Ohio				.76	.31		1.65	.86	T.	.79							1.30	.56							1.95		.56	.49	.10		9.33
West Milford	West Fork				.06	.47	.52	.42	1.42	.15	.20		.60		.59	.55			1.27			.59				1.10		.35	.74	.72		9.75
Weston [2]	do					1.05	.05	.04	.70	.10		.02	4.11	.05	.30				1.02			.48				.70	.52	.98	.71	.50		11.33
Wheeling (Dam 12) [2]	Ohio					2.03			1.21	.10	1.36	T.		.03				*	.88							.72		2.29	.56			9.18
Southern Division																																	
Arbovale [2]	Greenbrier					.10	.42	1.77	T.	.86	.07	.09	.06	.39				.35	.27				.27		T.	.20		.34	.04	.97		6.20
Beckley	New				.43	.21	T.	.59	.04	.05			T.		.91			T.	.71				.03		.07	T.		.02	.23	.17		3.46
Bluefield	New				*	*	1.67		.51	1.05	.04	*	.26	.02	1.19	1.56			.02				.08			.10	.15	.02	1.64	.10		8.41
Camden-on-Gauley [2]	Gauley					.62	.46	1.18						.21					.80				.62	.05		.11	.14	.10	1.24	.86	.23		6.62
Charleston	Gr. Kanawha				.37	.15	1.24	.06				.15	T.	.23				.30	.06		.20		.12			.08	.01		.52	T.		3.49
Charleston (Airport) [4]	do				.89	T.	.02	.47	T.	T.	.22	.01	T.	.45				.23			.03		.10			.83	T.	.71	.06			4.02
Clay [2]	Elk					.69	.27	.75	.06	T.	T.			.10		.10			.79		T.	.71	.04		.02		40	.98	.69	.17	T.	5.77
Flat Top [4]	New				.84	.28	.08	.51	.08	.15			1.39	T.	.29	.01		.01				.01			.09			.12	.85	.08		4.79
Gary [2]	Big Sandy					1.15	.33	.38	.29	.09	.11			1.15		.46			.21				T.			.02			.68	.06		4.93
Greenbottom [2]†	Ohio																																
Hinton [2]	New					.90		.31	.85	.46		.01		.19		.22			.08				T.			.16	.13		.36	.20	.01	3.88
Hogsett [2]	Ohio					1.10		.55	.02			1.15			.06								.16				.20		.70	.91		4.85
Huntington	do				1.02	.69	T.	.10		.38	.02	.65	.03	.44				.09					.08		T.	.12			.99			4.01
Kayford [2]	Gr. Kanawha					2.25	T.	.05	.76	.05	T.			.05		.08			.13					.05		.01	T.		.46	.20	.01	4.10
Lewisburg	Greenbrier				.31	.32	.41	.12	.04	.53	.03		.04		.07			.45	.04			.15			T.	.14		.06	.22	.03		2.96
Logan [2]	Guyandot					.92		.03	.47	.09	.23	.21		T.	T.	.28			.50		T.	.05			T.	T.	.01		.05	.30	.01	3.15
London Locks [2]†	Gr. Kanawha					1.65	.09	.08	.15		.06	.06				.35			.45		.07	.18	.04					.19	.56			3.93
Madison [2]	Coal					.54				1.15	2.00								.02			.20				.10	.02	.15	.06			4.33
Oak Hill	New					.74		.24	.03								.09		.02			.20				.10	.02	.15	.06			4.33
Pineville	Gr. Kanawha				.03	1.00	.83		.25	.35	.14	T.				.24			.38			.07		.02		.76	.63		.60			3.71
Point Pleasant [2]	Ohio					2.59		.10				.39			T.	T.		.78	1.02					.06	.05			T.	.57			6.53
Princeton [2]	New			T.	.85	.41	.26	.67	.87	.23	T.		T.	T.				T.	1.01			.23			.26	.38	T.	1.09	1.49			7.54
Rainelle	Greenbrier				.70	.18	1.04	.01	.04	.03			.02	.03	.03			.79	.40			.10			.20	1.03	.11	.40	.80	.08		5.99
Ravenswood [2]	Ohio					1.42	.25	.99			T.	.30							.22			.38				T.	.91	.06	3.14	.32		7.99
Richwood [2]	Gauley					.39	.15	.32	.56		.09			.72					.72		.22	.42				.53	.74	.62	.38			5.86

Continued on next page.

Daily Precipitation for July 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha				1.05	.10	.67	.02			.02	.02						.03			.13		.17				.74			3.12	.11		6.18
Seneca State Forest†	Greenbrier				.25	.15	T.	.06	.75	.90	.36	.13	.02	.30				.50					.14			.23	.35		*	.61	.31		5.06
Spencer [2]	Litl.Kanawha					1.02	.20	1.32			.05	T.			.02				.64	.10			.34				.35		1.19	.43	.50	T.	5.27
Summersville [2]	Gauley					1.15		.10		.45					.02								.63			1.31		1.44	1.10			8.05
Sutton	Elk					1.14	.18		.16	.35					.30			.12	1.32								.02		1.10	.67	1.83		7.76
Thornwood [2]	Greenbrier				.14	.77	.32		.70	.27	.07		1.08	.09					.22			.03	.45					.52		.25	.43		3.19
Union [2]	New					.35			.60	.80	.07			.03		.04					.10					.04			.08	.24		3.81
Wayne [2]	Twelvepole					.62		1.16			.03		1.02	.09	.42				.07				.04			.04			.55		.58	1.20	.32	9.96
Webster Springs	Elk				.62	.75	.52	.19	1.32	1.85				T.					1.47			.05	.54						.14	.40	.14	.20		6.16
White Sulp'r Spgs. [2]	Greenbrier				.50	.63	.40	.11	.61	1.21	.20			.20	.17			.60	.15				.50				.11	.04	.02		.15		1.97
Williamson [2]	Big Sandy					.89	.20		.24		.02	.27				.01			.02													6.70
Winfield Locks [2]†	Gr. Kanawha					.65		.39				.73			.77				1.38				.14				1.38		.62	.64		

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. ‡ Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. * Included in the next measurement. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for July 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	73	72	80	82	78	80	75	74	80	80	83	85	80	82	82	85	85	82	84	84	82	76	82	85	84	80	82	83	75	75	80	80.3
	Miuimum	34	34	38	45	50	58	58	61	58	58	57	56	56	59	63	47	48	52	48	48	53	58	51	47	47	59	55	58	57	57	45	52.1
Beckley	Maximum	70	69	74	79	80	84	80	81	78	75	85	76	77	82	85	88	85	83	79	87	87	83	79	88	83	85	84	85	78	79	78	80.8
	Minimum	45	52	57	60	65	62	63	60	64	63	63	62	62	60	64	63	62	67	56	66	61	64	57	56	63	64	65	63	62	65	53	60.9
Bluefield	Maximum	72	66	70	77	78	81	84	81	82	79	85	77	83	84	84	86	87	87	80	86	86	87	83	84	82	85	83	86	79	79	80	81.4
	Minimum	50	56	61	62	66	64	66	60	64	64	64	64	64	63	63	66	65	70	61	67	66	66	57	62	65	64	67	64	64	64	59	63.2
Brandywine	Maximum	73	75	76	82	84	85	80	82	84	83	89	90	88	89	90	89	93	87	86	91	90	86	82	89	88	85	88	89	85	84	85	85.4
	Minimum	43	47	54	58	65	62	63	62	60	63	66	61	68	58	62	55	62	66	57	63	60	64	57	50	58	63	60	57	60	61	53	59.3
Buckhannon	Maximum	72	78	81	81	78	82	81	82	80	85	85	85	83	84	84	84	86	83	82	83	85	80	78	83	87	84	81	82	78	78	80	81.8
	Minimum	50	49	52	58	58	68	63	64	63	65	64	65	63	65	65	58	60	67	60	60	63	65	60	57	64	63	62	62	62	65	58	61.2
Cairo	Maximum	78	81	87	86	80	83	85	85	86	86	88	89	89	89	90	91	94	94	88	90	91	91	85	88	90	90	86	88	89	81	85	87.2
	Minimum	47	47	52	52	66	65	64	65	63	66	65	65	62	66	65	53	60	70	58	65	65	66	57	57	62	65	65	66	64	65	57	61.5
Charleston (Airport)	Maximum	76	83	86	86	85	89	85	84	84	90	90	87	85	90	90	91	95	88	89	92	92	86	86	93	91	84	90	91	85	84	88	87.6
	Minimum	50	54	57	63	67	67	65	66	66	66	64	66	66	65	63	63	66	63	62	67	66	60	61	62	69	67	66	66	67	62	62	63.7
Clarksburg [3]	Maximum	77	82	87	81	82	83	82	84	84	87	88	88	83	88	87	88	90	85	85	89	88	81	83	89	88	82	87	87	80	80	74	84.5
	Minimum	44	47	50	57	61	65	63	65	63	64	62	65	62	63	64	58	58	64	56	59	62	64	57	58	59	63	63	63	62	64	57	60.1
Elkins	Maximum	74	73	80	81	76	81	84	79	83	81	82	84	81	84	84	84	88	81	81	85	85	79	80	87	84	79	83	81	77	75	79	81.1
	Minimum	44	48	52	58	66	63	61	64	60	65	61	64	63	61	63	58	58	64	57	64	63	64	57	56	64	62	65	61	63	62	56	60.2
Fairmont [3]	Maximum	77	82	89	81	85	83	87	84	84	85	92	89	85	90	90	90	92	89	88	92	90	84	86	91	93	86	90	89	83	83	89	87.0
	Minimum	47	52	57	62	71	66	66	66	64	67	65	67	64	67	66	59	63	68	59	64	65	67	60	59	66	64	65	63	64	63	58	63.0
Flat Top	Maximum	62	62	66	73	76	78	76	78	74	76	80	78	79	77	82	83	83	78	82	83	82	80	78	82	78	79	79	81	76	76	76	77.2
	Minimum	47	51	56	59	64	60	62	59	61	60	58	59	60	64	62	61	61	60	58	61	59	59	53	51	58	62	64	62	59	60	56	58.9
Gary [3]	Maximum	74	75	80	83	82	87	86	82	87	88	88	84	87	87	89	90	91	85	87	88	89	86	85	90	87	84	87	88	82	82	84	85.3
	Minimum	53	55	55	59	66	65	65	63	64	63	65	65	65	64	65	68	65	67	66	66	66	64	60	57	58	65	67	64	64	66	59	63.0
Glenville	Maximum	84	87	90	83	85	88	89	88	90	92	93	93	87	93	94	94	96	91	92	94	94	93	90	95	94	90	91	90	83	85	89	90.2
	Minimum	50	50	53	60	68	67	66	66	65	68	66	67	65	65	69	60	63	69	61	66	67	67	60	61	65	65	68	65	63	65	59	63.5
Grafton	Maximum	75	77	83	84	78	80	85	82	82	84	87	87	87	83	84	86	86	85	85	86	86	86	81	88	88	85	84	84	82	81	81	83.6
	Minimum	38	41	47	53	64	58	58	59	55	60	57	58	56	59	59	50	54	64	50	55	57	61	51	52	59	57	57	56	57	56	48	55.0
Huntington	Maximum	80	84	88	87	88	88	85	85	87	89	90	87	88	92	93	93	96	93	90	94	96	92	86	94	93	86	92	96	92	87	91	89.7
	Minimum	57	59	64	69	71	71	67	66	67	68	66	70	66	67	69	65	71	74	65	70	71	70	62	63	71	69	68	72	68	71	65	67.5
Lewisburg	Maximum	65	70	71	77	82	84	82	82	78	80	84	85	85	83	86	88	85	87	88	88	84	85	85	82	85	85	85	80	83	85	82.5
	Minimum	46	51	61	62	63	60	58	62	63	62	61	60	64	57	59	58	59	65	56	63	58	59	51	52	58	59	60	60	57	48	52	58.2
Logan [3]	Maximum	76	82	85	84	87	90	89	82	85	88	90	85	90	93	94	94	95	92	89	95	95	93	87	94	90	88	94	95	90	88	91	89.4
	Minimum	51	54	60	64	67	69	68	68	67	66	66	68	69	68	69	70	71	70	65	66	70	68	63	64	67	68	70	69	66	68	62	66.2
Madison [3]	Maximum	77	80	86	85	85	89	86	83	85	90	89	84	87	90	89	90	93	88	89	92	92	87	84	92	89	85	90	91	86	85	89	87.3
	Minimum	50	53	57	63	62	68	67	65	66	65	63	65	68	67	68	67	67	71	64	66	68	66	61	61	65	67	70	67	65	67	61	64.5
Mannington	Maximum	76	81	86	85	83	81	82	82	83	85	87	86	83	87	87	88	89	86	85	87	87	84	84	87	90	83	85	85	81	81	85	84.5
	Minimum	44	47	53	59	70	63	63	64	62	65	62	65	61	65	65	54	60	70	55	62	63	65	56	55	62	64	62	62	63	61	55	60.5
Martinsburg [3]	Maximum	81	85	85	83	94	91	83	74	87	91	94	97	94	97	100	100	101	93	97	98	100	92	91	100	100	92	100	93	87	97	92	92.5
	Minimum	41	46	54	60	63	68	68	65	65	68	70	67	67	67	67	63	64	67	63	62	66	67	64	59	60	68	65	65	67	65	62	63.3
New Martinsville	Maximum	79	86	89	84	86	87	86	88	87	88	90	91	87	90	92	91	92	89	88	91	91	86	86	92	94	86	90	91	83	84	91	88.2
	Minimum	55	53	55	67	70	67	63	63	65	68	66	67	65	66	66	60	64	62	60	64	67	67	60	62	67	66	67	66	66	64	60	64.1
Parkersburg	Maximum	76	81	87	82	85	85	87	84	84	85	88	90	85	91	88	90	92	88	85	91	91	81	84	89	91	86	89	89	86	81	89	86.5
	Minimum	52	55	60	67	69	69	69	67	65	70	66	70	68	69	66	60	69	67	62	69	67	66	62	62	67	68	69	67	66	65	60	65.4
Pickens	Maximum	60	58	76	72	65	66	66	70	67	74	76	66	64	70	74	76	70	74	75	79	83	82	80	86	85	75	78	74	75	74	75	73.1
	Minimum	39	44	50	51	60	54	57	58	55	57	55	54	56	55	58	59	49	51	48	59	47	60	56	50	58	57	58	56	53	58	48	53.9
Point Pleasant	Maximum	77	82	89	89	86	81	80	82	83	87	87	88	85	89	89	92	92	92	85	87	91	89	84	91	90	89	87	87	84	83	85	86.5
	Minimum	55	56	62	68	69	70	70	66	66	68	65	70	66	68	70	61	70	72	63	70	68	69	62	63	70	71	69	73	67	67	65	66.7
Rainelle	Maximum	69	67	69	76	81	79	79	82	81	81	85	82	84	82	86	88	87	83	86	86	86	84	83	84	85	87	81	80	79	79	80	81.3
	Minimum	44	49	59	61	63	62	58	61	62	61	61	52	60	56	60	57	56	64	56	60	59	58	54	54	56	62	61	60	56	59	52	57.8
Ravenswood	Maximum	77	80	84	82	82	81	83	83	84	86	85	83	81	88	90	87	87	84	86	85	90	89	84	87	88	87	84	83	81	81	86	84.5
	Minimum	51	51	57	66	68	66	67	63	62	63	64	68	63	65	61	56	66	61	60	61	65	66	58	58	68	65	66	64	65	67	60	62.6
Romney	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Spencer [3]	Maximum	78	79	85	80	82	86	85	85	85	86	87	86	81	88	89	89	92	88	87	90	91	84	85	91	90	85	88	87	82	82	88	85.8
	Minimum	50	52	56	60	68	67	65	63	64	68	65	62	62	64	66	67	63	70	58	66	65	66	58	58	63	65	65	66	64	68	59	63.0
Sutton	Maximum	81	81	82	82	75	77	78	78	80	86	88	88	85	91	91	93	94	94	91	92	92	92	91	92	92	88	91	91	89	89	90	87.2
	Minimum	49	53	53	52	64	66	62	66	65	64	63	66	64	65	66	60	63	64	61	64	66	66	60	59	64	64	65	64	63	65	58	62.1
Wardensville [3]	Maximum	75	78	80	85	85	85	76	71	81	82	88	89	89	88	91	90	90	88	88	93	91	87	87	90	91	84	90	90	84	82	82	85.5
	Minimum	41	43	52	55	62	60	62	62	63	64	65	61	65	62	65	59	60	68	54	60	61	67	54	51	60	64	60	62	63	63	52	59.2
Weston	Maximum	85	80	89	84	83	88	85	90	90	91	93	90	87	90	91	90	93	90	89	93	92	88	88	94	93	85	90	89	90	86	90	88.9
	Minimum	49	50	53	60	69	65	64	66	65	67	65	67	67	67	67	60	63	70	60	65	65	65	60	60	66	65	65	64	64	67	59	63.1
Wheeling [3]	Maximum	77	84	85	76	85	86	87	85	87	86	88	89	85	89	88	90	89	87	86	90	89	80	85	87	91	85	89	87	83	82	89	86.0
	Minimum	47	50	52	62	70	65	66	66	67	65	66	67	65	67	68	62	64	66	61	60	67	68	60	62	61	65	65	63	66	64	61	63.2
Williamson [3]	Maximum	76	85	83	88	85	90	88	83	84	89	90	82	90	92	92	93	95	90	88	94	94	90	87	93	90	85	90	92	89	89	90	88.6
	Minimum	53	56	62	66	68	70	70	69	67	66	66	70	69	70	70	71	70	74	66	68	71	68	62	65	68	69	70	70	67	69	63	67.2

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	1.					.070	.083	.098	.174		.137	.173	.207	.202	.215	.195	.246	.218	.236	.198	.122	.207	.197	.246	.088	.280	.151	.226	.192	.158	.160	.320	5.713
	Wind movement	38						25	17	24	20	12	26	12	21	25	28	32	12	23	30	18	14	44	44	22	11	28	20	37	40	44	40	788
Wardensville	Evaporation	.205	.228	.15							160	.056	.117	.123	.227	.133	.203	.238	.291	.284	.149	.217	.238	.231	.273	.260	.243		.354	.117	.254	.341	.204	.236	6.406
	Wind movement	36	24	26							35	25	20	31	19	22	32	34	25	23	28	19	13	55	52	33	26	41	20	32	50	35	36	1,000

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.

Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 9-2 43—925)

OCT 13
UNIVERSITY

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG, W. VA., AUGUST 1943 No. 8

GENERAL SUMMARY

The month was slightly above normal in temperature. There was only one cool period; that of the 18–20th. The remainder of the month was rather warm.

Precipitation averaged slightly below normal. However, rainfall in the northeastern panhandle averaged 1.60 inches and that of the southern division 1.05 inches below normal. These deficiencies were made up, to a large extent, by the plus departures in the northern division. The most disastrous flash-flood in the history of central West Virginia occurred during the night of the 4–5th, causing the death of twenty-three persons and property damage of near $1,300,000. Thundershowers occurred in the early evening of the 4th throughout the Little Kanawha basin, soaking the ground thoroughly. Then, about three hours later, record-breaking torrential rains, accompanied by one of the worst electrical storms of record, devasted a rather narrow elliptical area about forty-eight miles long, extending from just west of Big Island Run to the upper reaches of Salt Lick Creek, with the greatest width about twelve miles. Extensive damage was done to railroad tracks, highways, and bridges. All bottomland crops in the area were destroyed and the damage to home gardens was considerable. Homes, stores, schools and churches were washed away and much livestock and poultry were drowned.

In most localities it was a good harvest month. However, continued dry weather in the northeastern panhandle division reduced crop yield there to only a fraction of their normal amount. Likewise, a lack of soaking rains was having a harmful effect on the pastures in the southern part of the State. The fall varieties of apples and midseason peaches were being picked at the close of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 72.3°, or 0.5° above the normal. The mean for the northeastern panhandle division was 72.2°; for the northern division, 71.3°; and for the southern division, 73.2°. The highest monthly mean was 78.7° at Huntington and the lowest, 64.2° at Pickens. The highest temperature was 105° at Martinsburg on the 10th, and the lowest, 38° at Terra Alta on the 19th and at Kumbrabow State Forest on the 20th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 125 stations, was 3.95 inches, or 0.18 inch below the normal. In the northeastern panhandle division the average was 2.26 inches; in the northern division, 5.15 inches; and in the southern division, 3.13 inches. The greatest monthly precipitation was 7.95 inches at Pickens No. 2 and the least, 0.98 inch at Kearneysville. The greatest amount in any 24 consecutive hours was 3.70 inches at Glenville on the 5th. The average number of days with .01 inch or more of precipitation was 9.

ERRATA

JUNE 1943: PAGE 22.—Grafton, highest temperature 94; Parsons, total precipitation, 3.86; departure, −1.13; greatest in 24 hours, 1.10 on 1st. PAGE 23.—Parsons, amount on 1st, 1.10; 22d, 0.03; 25th, 0.20; total 3.86.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	17	15	..	..	2	2	1	29	30	34	3	2	1	8	1	1	18	9	9	6	37	35	6	28	27	2	33	4	..	4	5	42	42
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	1	1	..	..	..	..	1	..	..	..	..	1	..	2	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	1	1	6	14	8	..	..	..	..	6	2	5	15	22	1	23	4	..	..	..	..	1	..	2	..	19	15	1	1	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.17	19	29.64	16	5.3	18	sw.	3	90	50	65	73	2
Columbus, Ohio	30.17	19	29.63	16	7.1	23	sw.	4	87	54	64	70	4
Elkins	30.20	31	29.65	16	4.2	18	sw.	4	96	57	84	56	14
Huntington Airp't	30.15	19	29.61	16	.....	22	w.	27	90	48	69	....	1
Parkersburg	30.16	19	29.64	16	4.2	16	se.	16	90	54	70	68	2
Pittsburgh, Pa	30.17	19	29.61	16	8.1	24	nw.	14	84	52	61	58	4

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	69.8	..	..	3.48	6.10	4.73	5.48	0.0	7	..	..	..
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	..	..	..	..
1893	70.8	98	41	3.43	3.17	3.84	3.38	.0	..	..	..	..
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	7.51	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	76.0	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	76.0	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	1.86	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	67.1	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.39	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	112	30	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	11	11	11	9
1941	71.2	102	32	4.63	5.59	3.69	4.80	.0	9	17	9	5
1942	71.1	100	30	7.44	7.24	7.08	7.22	.0	14	9	12	10
1943	72.3	105	38	2.26	5.15	3.13	3.95	.0	9	16	9	6
Period	71.8	112	30	3.86	4.25	4.18	4.13	.0	10	14	10	7

Climatological Data for August 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, Inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	65.2	−0.6	90	12	39	19	4.65	+0.27	1.65	17	0.0	13	20	8	3	w.	Lewis T. Clark
Berkeley Sprgs. 3 mi. NE	Morgan	780	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	.....	.....	.....	.....
Brandywine	Pendleton	1,586	26	71.3	+1.4	95	§14	40	20	1.80	−1.78	0.85	26	.0	5	21	1	9	sw.	Roy P. Widmyer
Harpers Ferry	Jefferson	400	43	.....	.....	.....	.....	.....	.....	1.76	−2.23	1.00	17	.0	6	.....	.....	.....	.....	E. L. Keister
Inwood	Berkeley	569	11	75.0	.....	103	14	46	19	1.11	.....	0.83	16-17	.0	3	17	11	0	w.	Miss Eleanor White
Kearneysville	Jefferson	548	13	75.6	+1.3	102	14	49	19	0.98	−2.77	0.64	16-17	.0	5	13	14	4	nw.	H. W. Prettyman
Martinsburg	Berkeley	435	43	77.6	+4.6	105	10	51	20	1.54	−2.52	0.70	17	.0	8	24	7	0	w.	University Exper. Station
McNeill, 2 miles NE	Hardy	800	47	71.6	+0.3	99	§9	41	19	3.07	+0.08	1.73	16-17	.0	12	16	9	6	w.	Dr. H. S. Gardner
Piedmont	Mineral	1,053	27	72.3	+1.8	98	12	47	19	1.41	−2.18	0.54	16	.0	9	17	5	9	w.	R. E. Saville
Romney	Hampshire	824	41	72.4	−0.2	100	12	43	§19	2.18	−1.43	1.15	16	.0	8	19	8	4	.....	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	23	.....	.....	.....	.....	.....	.....	3.81	−0.77	2.73	17	.0	10	9	8	14	w.	Miss Anna Lee Keister
Wardensville, 2½ mi. NE	Hardy	1,200	21	72.0	+2.5	98	12	44	20	1.60	−2.03	1.01	17	.0	8	.....	.....	.....	nw.	Fred Becker
Northern Division																				Reymann Memorial Farm
Aberdeen, 2 miles NE	Upshur	1,060	18	.....	.....	.....	.....	.....	.....	6.65	+2.17	2.35	27	.0	12	9	15	7	w.	L. Esle Bond
Benson	Harrison	1,080	18	73.0	+2.3	95	25	46	§19	5.62	+1.17	1.42	14	.0	10	19	8	4	.....	R. D. Marts
Bens Run	Pleasants	652	42	75.0	+1.4	94	25	50	19	4.58	+0.34	1.25	27	.0	7	26	3	2	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	66.5	.....	89	13	39	19	5.15	.....	1.61	4	.0	8	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	19	73.3	+1.1	95	§1	46	20	4.08	−0.19	0.99	14	.0	12	18	7	6	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	69.2	−0.7	88	§12	47	20	6.07	+1.98	1.75	27	.0	12	19	11	1	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	880	34	73.5	+1.0	92	§11	47	§19	5.48	+1.61	2.55	5	.0	10	15	15	1	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	70.6	−1.4	92	§12	48	§19	5.17	+0.69	2.00	17	.0	8	17	9	5	se.	Clarksburg Water Board
Creston	Wirt	640	42	74.0	+0.9	94	§14	49	20	5.26	+1.40	3.05	3-4	.0	9	14	15	2	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	.....	.....	.....	.....	.....	.....	4.41	+0.35	1.88	13-14	.0	10	.....	.....	.....	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	.....	.....	.....	.....	.....	.....	5.04	+1.67	2.06	4	.0	8	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	.....	.....	.....	.....	.....	.....	5.19	+1.06	1.18	14	.0	9	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	26	.....	.....	.....	.....	.....	.....	2.57	−1.69	1.35	5	.0	8	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	25	.....	.....	.....	.....	.....	.....	4.42	+0.63	1.55	13	.0	9	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	615	32	.....	.....	.....	.....	.....	.....	3.19	−0.81	1.65	5	.0	8	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	44	69.1	0.0	89	12	46	20	4.39	+0.53	1.30	26-27	.0	11	15	2	14	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	73.7	+1.0	95	12	52	19	4.61	+0.61	1.19	17	.0	9	17	8	6	w.	J. C. Robinson
Glenville	Gilmer	738	55	76.1	+2.2	95	§12	52	20	7.52	+3.29	3.70	5	.0	10	15	14	2	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	68.0	−3.4	93	§12	42	§19	3.82	+0.11	1.27	17	.0	12	21	5	5	.....	L. W. Clayton
Grantsville	Calhoun	900	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	.....	.....	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	71.2	.....	92	12	46	20	4.52	.....	1.66	16	.0	9	11	14	6	se.	U. S. Airway Station
Hastings	Wetzel	809	8	.....	.....	.....	.....	.....	.....	6.44	.....	1.83	14	.0	9	20	4	7	sw.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	.....	.....	.....	.....	.....	.....	6.46	+1.61	2.39	27	.0	12	.....	.....	.....	.....	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW	Marion	974	41	70.6	+0.4	90	12	46	20	5.83	+1.75	1.66	14	.0	12	17	9	5	w.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	2	72.0	.....	92	§1	47	19	5.10	.....	2.00	4	.0	7	17	8	6	sw.	L. A. Crumrine
Morgantown, 3 miles N	Monongalia	1,300	43	73.2	+1.2	91	13	53	19	3.77	−0.24	1.20	4	.0	7	21	7	3	sw.	State Horticultural Farm
New Cumberland	Hancock	671	43	70.7	−0.1	94	2	40	29	1.47	−1.92	0.52	4	.0	8	12	10	9	nw.	C. O. Valentine
New Martinsville	Wetzel	687	44	74.7	+1.0	93	§10	53	§19	5.14	+1.25	1.88	14	.0	7	23	7	1	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	74.2	+0.3	93	12	51	20	2.98	−0.53	1.34	4	.0	8	19	7	5	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	70.1	+0.7	93	1	44	20	5.03	+0.98	2.50	17	.0	14	6	14	11	nw.	D. A. Oliver
Philippi	Barbour	1,300	43	.....	.....	.....	.....	.....	.....	7.53	+3.29	1.57	28	.0	15	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	64.2	−2.3	86	12	40	§19	7.52	+2.05	2.15	13	.0	10	17	12	2	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	.....	.....	.....	.....	.....	.....	6.05	+1.71	1.60	16	.0	13	16	8	7	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	71.5	.....	92	§11	49	19	7.02	+2.49	2.44	17	.0	11	.....	.....	.....	w.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	5.14	+1.05	1.61	5	.0	11	.....	.....	.....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	37	65.3	−1.5	90	12	38	19	.....	.....	.....	.....	.0	..	16	8	7	w.	Hopemont Sanitarinm
Thomas	Tucker	2,950	13	.....	.....	.....	.....	.....	.....	5.46	+0.37	2.56	17	.0	8	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	73.3	+0.8	93	§12	47	§19	4.80	−0.64	1.35	14	.0	13	17	10	4	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	43	70.8	+0.5	93	§1	45	§19	4.99	+1.43	1.45	4	.0	6	21	4	6	.....	George P. Pfister
West Milford	Harrison	979	17	.....	.....	.....	.....	.....	.....	6.12	+1.50	1.33	14	.0	15	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	42	75.6	+2.9	95	24	50	20	4.62	+0.92	1.20	14	.0	14	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	72.3	−0.5	91	§1	51	19	4.31	+0.76	2.18	14	.0	6	13	9	9	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	.....	.....	.....	.....	.....	.....	3.01	−1.80	1.35	13	.0	10	16	11	4	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	71.1	+1.8	91	25	41	19	3.96	+0.12	0.84	17	.0	10	20	10	1	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	73.2	+2.7	92	25	46	20	1.16	−2.45	0.37	26	.0	7	27	3	1	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	78.0	+2.7	99	§14	52	20	2.98	−1.49	1.20	26	.0	8	13	15	3	.....	Arnold R. Knapp
Charleston (Airport)	Kanawha	606	5	74.8	.....	97	13	48	20	2.82	.....	1.44	26	.0	8	11	13	7	n.	Civil Aero. Administration
Clay	Clay	790	44	.....	.....	.....	.....	.....	.....	3.11	−1.88	1.26	13	.0	9	.....	.....	.....	.....	L. E. Wootter
Flat Top	Mercer	3,270	5	67.8	.....	86	§11	41	20	2.80	.....	0.64	24	.0	11	13	14	4	n.	U. S. Airway Station
Gary	McDowell	1,426	26	73.6	+1.6	94	§14	46	20	1.43	−2.68	0.55	27	.0	5	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State Forest Nursery
Hamlin	Lincoln	641	..	77.6	.....	97	25	53	31	1.98	.....	0.63	17	.0	9	15	3	13	w.	F. E. Brown
Hinton	Summers	1,431	43	75.7	+2.4	100	§13	50	§18	3.18	−0.98	1.23	17	.0	10	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	78.7	+3.9	101	25	53	19	1.27	−2.43	0.50	26	.0	5	11	14	6	ne.	H. N. Robinson
Kayford	Kanawha	1,335	19	.....	.....	.....	.....	.....	.....	2.17	−2.66	1.03	27	.0	3	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	71.0	+1.6	95	11	41	19	2.00	−1.95	0.78	17	.0	6	15	14	2	w.	James B. Stuart
Logan	Logan	700	32	77.5	+2.5	102	25	54	§19	2.30	−2.19	1.08	17	.0	6	15	7	9	.....	Paul A. Simonds
London Locks	Kanawha	623	8	74.6	.....	94	9	55	§20	3.97	.....	1.23	§17	.0	6	20	1	10	e.	Lockmaster
Madison	Boone	675	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	69.6	.....	90	§8	43	§18	3.03	.....	1.18	26	.0	8	14	4	13	.....	M. H. Martin
Pineville	Wyoming	1,350	1	75.4	.....	98	14	48	20	1.68	..	0.88	17	.0	7	20	7	4	.....	Charles Dameron
Point Pleasant	Mason	595	44	75.6	+0.9	93	12	52	20	4.07	+0.86	0.94	26	.0	10	16	7	8	ne.	E. C. Winger
Rainelle	Greenbrier	2,424	12	68.4	+0.1	97	12	41	20	3.45	−2.33	1.25	17	.0	7	15	6	10	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	73.2	+0.3	92	§13	48	§19	4.58	+1.23	1.16	5	.0	7	8	15	8	nw.	Lockmaster
Richwood	Nicholas	610	1	69.5	−0.9	92	11	43	20	6.91	+1.75	1.95	13	.0	8	19	1	11	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Sattis Simmons
Ryan	Roane	700	40	71.5	−0.2	95	§14	41	20	2.34	−1.74	0.69	16	.0	10	15	13	3	.....	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	67.2	.....	87	§9	39	20	4.62	.....	2.01	14	.0	7	26	3	2	w.	Supt., State Forest
Spencer	Roane	789	40	73.5	+1.2	94	26	48	20	4.00	+0.03	0.74	13	.0	13	12	16	3	.....	A. M. McKown
Summersville	Nicholas	1,900	7	71.4	.....	90	§10	41	20	3.61	.....	1.72	14	.0	8	11	13	7	.....	A. E. Dorsey
Sutton	Braxton	850	39	75.1	+2.0	95	§14	50	20	6.44	2.19	1.65	5	.0	11	19	12	0	.....	C. B. Eakle
Union	Monroe	2,200	32	70.7	+0.5	96	25	42	20	1.29	−2.64	0.40	17	.0	8	13	6	12	.....	C. B. King
Webster Springs	Webster	1,500	11	72.7	.....	91	14	52	19	6.43	.....	1.77	14	.0	9	16	11	4	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	.....	.....	.....	.....	.....	.....	3.88	+0.29	1.30	12	.0	8	10	17	4	.....	Ashford General Hospital
Williamson	Mingo	673	35	77.2	+2.4	98	14	53	19	1.13	−2.86	0.54	27	.0	9	17	14	0	nw.	J. E. Dotson
Winfield Locks	Putnam	571	5	75.6	.....	97	25	53	20	3.22	.....	1.06	27	.0	7	18	3	10	sw.	Lockmaster
State averages and extremes			..	72.3	0.5	105	10	38	§19	3.95	−0.13	3.70	5	.0	9	16	9	6	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. § Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for August 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac				.10	.60								.30	.28	.05		1.65															4.65
Brandywine	do					.04					.10				.41							.12			.04		.21	.74	.41	.05			1.80
Brushy Run [2]	do				.08	.03	T.							T.	.19			.27				T.				.40	.85			.10			1.14
Harpers Ferry [2]	do					.14					.02	.12						1.00					.02				.04	.07	.28	.02	.02		1.76
Inwood	do					.20											*	.83								.02		.08	.50				1.11
Kearneysville	do					.05								T.			.24	.40				T.	T.				.28	T.		T.			.98
Knobly Mountain [2]†	do					.10					.02			.09	T.	T.		1.90									.11	.03					2.65
Martinsburg [2]	do	.50			.10	.07					.02			.02	.18			.70				.12					.09	.39	.01		T.		1.54
McNeill †	do			.32	.02	.01					.08			T.	.10		.71	1.02					.02				.20	.30					3.07
Petersburg	do				.07										.10		*	.44				.12				.15	.14	.03	.05			1.35
Piedmont	do			.08										.33	.05		.54	.14								.10	.31		.05			1.41
Romney	do				T.	.20	.08			.03								.29			.03					.06	.08	.11				2.18
Spruce Knob [2]†	do					.09				.04	.28			T.	.48								.24			.17	.17		.02			2.42
Stony River Dam [2] †	do									.10	.02				.16	.04		2.73				T.			.42	.31	.32	T.				3.81
Wardensville [2]	do														.08			1.01		T.	T.		.18			.05	.41	.16	.05			1.60
Northern Division																																	
Aberdeen†	West Fork			.15	.44	.74								.03	.98		1.11	.55								.06	.07	.08	.10	.02			6.65
Belington [2]	Tygart				.25	.31	.01			.15				.08	.26			.55															6.47
Benson †	West Fork			.05	.60	.77				.08	.26			.10	.95	.02		1.71				.08			.04		T.	2.35	.03				5.62
Bens Run	Ohio			.80	.41	.53				.38				.43	1.42		.81						.06		.01	1.45	.77	.48	.01			4.58
Big Skin Creek†	West Fork			T.	.54	.43								.19	.42		.98					.02					1.07	.07					4.87
Brandonville	Cheat				1.61	1.14				.04				.24	1.18	.02	1.10	.05				T.											5.15
Brownsville †	West Fork			.07	.20	.36				T.				1.30	.08	.04		.32				.05			.06		.24	.92	T.	T.			4.08
Buckhannon	Tygart			T.	.28	.54				.03				.04	.99		.21	.89							.32			.34					6.07
Cairo	Litl.Kanawha				1.20	2.55				.12					1.60	.15	.35	1.05				.15			.04		.15	.95					5.48
Clarksburg [2]	West Fork				.51	.20				.10				.15	.16		.22	.13				.05			.05		.08	1.75	.05				5.98
Crawford	do			.05	1.03	1.70									1.01			2.00				.07			.22			.68					5.62
Creston [2]	Litl.Kanawha				.65	2.40				.24				.16	.93		.32	.62					.10			.15	.30	.90					5.17
Dailey [2]†	Tygart				.13	.48	.05			T.				.07		T.		.80				.02			.01	.78	.89	.21	.02			6.98
Dam 10, Mon. R. [2]†	Monongahela	T.			.84	.42				.08	.09			.11	.55	.02		.20					.07		.15		.55	.24	.33				5.26
Dam 13, O. R. [2]†	Ohio				2.06	1.00								1.18	.70			.37					.03			.15	.20	.80	.01			2.90
Dam 15, Mon. R. [2]†	Monongahela				.48	.92									1.31			.31				.01			.03	.09		.69	.08			4.41
Dam 19, O. R. [2]†	Ohio				.35	1.35				T.				.16	1.18	.07		1.06							.01	.01		.26	.08			5.04
Dam 20, O. R. [2]†	do				.86	1.15								.08				.18									.08	.82	.42			5.19
Elizabeth (Dam 3) [2]	Litl.Kanawha				.21	1.65								1.55	.03			.28				.08			.01	T.	.07	.45	T.			2.57
Elk †	West Fork			.27	.30	.60								.15		.09		.53				.12			T.		.13	.15	.15				4.42
Elkins [1] †	Tygart			.25	.09	.35									1.34		.74										.05		.06	.45			3.19
Fairmont [2]	Monongahela				.68	.92				.21		.10	T.	T.	.51		.89											.60	.99	.10				5.10
Glenville [2]	Litl.Kanawha				.77	3.70	T.			.05			.02	1.11	.14		1.19									T.		.65	1.30		.01			4.39
Grafton	Tygart				.66	.14				T.	.08		.09	.62	.07		1.29									T.		.49		.01			4.61
Hackers Creek †	West Fork			.10	.65	.53				.17			14	.78	.04		1.27						.11			T.			.53	.26			7.52
Hall [2]	Tygart				.10	.60	T.			.21			.30	1.01		.60	.07					.09			.08		.01	.37	.07				3.82
Harrison Co. Airport [2]	West Fork			.15	.35	T.				.07	.15		.21	.78	.09		1.48				.20				.07		.03	2.01	.69				6.47
Hastings	Ohio			.13	1.22	.50				.02		T.		1.04		1.66							.06			.02	.01	.24	.64	T.			4.51
Horner	West Fork			.16	.40	.26								1.83	.20	1.56					.10				.03		.49	.68					4.52
Ireland	do			T.	.80	2.45								.10	2.20		.11	1.30				T.					.25	.48	.27				6.44
Jane Lew	do				.60	.90				T.	.12			.18	1.45	.05	T.	.74			.07						.47	1.25					6.32
Kumbrabow St. For. † [2]	Tygart			.02	.25	.37				.62				.06	1.26	.02	.08	.28							T.	T.	.03	.85	.07				6.74
Mannington	Monongahela			.33	.93	.66				.33				.27	1.53	.15		.41				.12			.15			2.30	.07				6.46
Middlebourne	Middle Is. Creek				2.00	.31				.01				.62	1.66	.01	1.28	.01				.03					.47	1.01	.07				4.91
Midvale [2]†	Tygart				.42	.38	T.								.52			1.10				.01			T.		.05	.26					5.83
Morgantown	Monongahela		T.	1.20	.42					.16	.15		.13	.58	.16		1.56					T.		T.	T.	.19	.81	.17				5.10
Mt. Clare	West Fork			.06	.45	.40							.78			.37	.05				.06		.02	.24	.42	.85	.05				5.18
New Cumberland	Ohio			.33	.52	.01				.62			.04	1.90		.69	.37						.35	.60								3.77
New Martinsville	do	T.		.31	.81	.42							.11	.18		.10					.16	.04			.05	.90	.06				5.74
Parkersburg [1] †	do			.48	1.34								T.	1.88		1.09							.13			.09			T.		1.47
Parsons	Cheat			.09	.06	.42			.01	T.		.03	T.	.26		.20							.17		T.	.46					5.14
Philippi [2]	Tygart	.92		.10	.08	.52	T			.21			.04	.71	.15	.16	2.50				.09	T	T.		T.	.57					2.98
Pickens	do			.13	.47	.03				.12	T.		.36	.55	.08		1.40				.09					.24	.28	.03	.05			5.03
Roanoke	West Fork			.25	.51	1.11				.45			2.15	2.05		.34						.13			.02	.66	1.01	1.57	.01	T.		7.53
Rockford †	do			.06	.64	.75					.09	.20	.10	.75		.25	1.35								.54	1.31	T.		.05			7.52
Rowlesburg [2]	Cheat				.53	1.33	T.			.23			.05	1.86		.54					.06				.40	.95		.03			6.05
Saint Marys [2]	Ohio				.94	1.61					.05		.75	.68	T.		2.44				.17		.02		.06	2.32	.05				6.75
Salem	West Fork				.87	.13						.14	.04	.24			1.14					.13	T.	.08	.41	.41	.21				7.02
Shinnston	do				.80	.60							.26	.93		.40	.83					.04		.10	.07	.66	.16				5.14
Sierra Alta†	Cheat				.86	1.29							.40	.60		.70	.29	.10			.10					.33	1.43					5.28
Thomas [2]	do					.31	.21			.21				.30		.90	.40								.20	.05	.60	.15				4.49
Valley Chapel	West Fork		.13	.77	.80									.64			2.56				T.				.18	1.68	.34	.39						
Valley Head [2]	Tygart			.17	.28	.03				.44			.06	1.35		.12	.16									.38	.90	.22				5.46
Vandalia †	West Fork		.06	.45	.30					.33	.25		.10	1.02	.08		.40				.15				.09	.03	.70	T.				4.80
Wellsburg (near)	Ohio			.67	1.45							.13	.10	1.05		1.50										.54	.32	.35				3.87
West Milford	West Fork		.05	.45	.50								.12	1.19		.16									.08	.16	.84					4.67
Weston	do		.02	.31	.60	.10				.98			.08	.75	.58	.65	.40								T	T.	1.40					4.99
Wheeling (Dam 12) [2]	Ohio	T.		1.00	.53					.08	.11		.04	1.20			1.00				.19	.05		.09	.05	1.20	.10					6.12
Southern Division														2.18			.15					.11											4.62
Abbovale [2]	Greenbrier	.06		T.	.12	.65																			T.	.08	.05	.12	.80				4.31
Beckley	New			.03		.41	.64					.14															.39	.06					
Bluefield	New										.04	.28	.12	1.23			.25															
Camden-on-Gauley [2]	Gauley													.43			.84										.37	.65	T.	.02			3.01
Charleston	Gr. Kanawha			.30	.60	.02						.27	.02				.29										.80	.29					3.96
Charleston (Airport) [4]	do		.40	T.	T.					.12			3.49	.93			.31										.37	.10	.05	.06			1.16
Clay [2]	Elk		.40	T.	T.					.01			.03	.05		.20	.25								.02		1.15	.30	.08				7.33
Dot Top [4]	New			.32	T.	T.							.13	.01		.38											1.20	.84					2.98
Gary [2]	Big Sandy					.05				.04	.04		1.26	.42			.20			T.		.02	.01			1.44	.43					2.82
Greenbottom [2]†	Ohio									.01	T.	.08	.04	.33		.41					T.					.49	.14	.20				3.11
Hinton [2]	New												.42	.01			.35					.64				.58	.57	.05	.04			2.80
Nuttallburg [2]	Ohio					.04																					.55		.10			1.43
Huntington	do			.06	T.					.06			.13	.08	T.		1.23															
Oxford [2]	Gr. Kanawha				T.								T.				.97										.04	.94	.30	.34	.02		3.18
Swisburg	Greenbrier					T.						.24	T.	.15		.36									.31		.42	.62	.50				2.88
Man [2]	Guyandot																.76			T.		T.					.50	.02					1.27
Gordon Locks [2]†	Gr. Kanawha				T.	.18						.11	.57				.78									T.	1.03	.38					2.17
Hanson [2]	Coal									T.			.10	.04			1.08										.30	.21		.03			2.00
Hill	New												.13	.40			1.23											.42	.48				2.30
Hurricane	Gr. Kanawha				.05																					.02	.96		1.23				3.97
Point Pleasant [2]	Ohio				.03					.05		.59	.10			.65																	
Princeton [2]	New			.40	.19									.02	.03	.20	.88										1.18	.36	.05				3.03
Quelle	Greenbrier			T.									.30	.34		.01	.49											.16	.36				1.68
Kenswood [2]	Ohio									T.		.39	.31	T.			.23	T.							.65		.94	.32	.43				4.07
Kwood [2]	Gauley		1.08	1.16									.04	1.02	.01		1.25									.06		1.06	.14	T.			2.19
			.08	.20									.32	T.			.57				.06						.60	.47		.06			3.45
													1.95	.85	.85		.74										.61		.78				4.58
																											1.05	1.19					6.91

Continued on next page.

Daily Precipitation for August 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha				.38	.02					.03		.01	.13	.46		.69					.01					.47	.14					2.34
Seneca State Forest†	Greenbrier										.08			.37	2.01			.35									1.20	.40					4.62
Spencer [2]	Litl.Kanawha				.21						.23	.04		.74	.63			.57				.25			.05			.20					4.00
Summersville [2]	Gauley				.22	.63	.01			.T.		.20		.40	1.72			.75					.05		.05	.05	.95	.18		T.			3.61
Sutton	Elk			.16	.90	1.65					.53			.15	1.40	.12		.25				.15					.61	.34	.30	.28			6.44
Thornwood [2]	Greenbrier				.11	.04					.27			.26	.18			.23										.25	.15	.05		.05	2.62
Union [2]	New						.02							.25		.12		.40									T.	.31	.16				1.29
Wayne [2]	Twelvepole						.10							.42	.28			.64									1.73	.33					1.91
Webster Springs	Elk			T.	.65	.90				.19				.56	1.77			.26							.04								6.43
White Sulp'r Spgs. [2]	Greenbrier										.20	.65	1.30	.30			.56										.47	.20		.20			3.88
Williamson [2]	Big Sandy					.03	.02					.01		.02	.11	.01		.38				T.						.54	.01				1.13
Winfield Locks [2]†	Gr. Kanawha				.45	T.	.01								.27			.62						.03			T.	1.06	.78				3.22

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T, Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for August 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	82	88	82	80	78	78	80	84	85	85	86	90	84	85	77	70	68	70	74	78	77	81	87	82	86	74	84	75	73	85	83	80.4
	Minimum	45	49	50	54	67	47	45	45	48	48	48	45	45	61	50	50	51	52	39	40	41	42	48	48	62	63	66	58	50	46	46	50.0
Beckley	Maximum	89	89	82	87	76	80	83	88	86	88	90	90	87	88	89	87	73	69	75	83	78	82	84	85	91	86	76	75	79	80	84	83.2
	Minimum	55	60	60	68	71	60	56	55	57	70	65	66	62	63	64	62	52	47	41	45	58	50	52	61	60	71	65	63	60	61	49	59.0
Bluefield	Maximum	85	85	85	85	85	83	83	90	88	89	87	85	88	88	90	88	84	73	76	81	80	84	87	89	92	91	90	91	90	82	82	85.2
	Minimum	58	62	62	69	69	61	60	60	61	70	68	67	68	70	64	56	62	50	48	46	60	54	54	65	64	67	66	67	62	56	54	61.3
Brandywine	Maximum	85	85	85	85	85	83	83	90	88	89	87	85	88	88	90	88	84	73	76	81	80	84	87	89	92	91	90	91	90	85	84	87.8
	Minimum	58	62	62	69	69	61	60	60	61	70	68	67	68	70	64	56	62	50	48	46	60	54	54	65	64	67	66	67	62	56	54	61.3
Buckhannon	Maximum	85	85	85	85	85	83	83	90	88	89	87	85	88	88	90	88	84	73	76	81	80	84	87	89	92	91	90	91	90	85	84	87.8
	Minimum	58	62	62	69	69	61	60	60	61	70	68	67	68	70	64	56	62	50	48	46	60	54	54	65	64	67	66	67	62	56	54	61.3
Cairo	Maximum	89	90	91	88	87	84	85	86	90	91	92	91	91	92	92	88	76	75	79	83	84	81	89	90	92	93	81	88	81	85	85	90	88.6
	Minimum	62	58	66	67	67	55	54	56	56	64	60	59	64	64	64	64	56	58	55	55	47	47	61	55	57	68	65	71	69	54	54	52	62.2
Charleston (Airport)	Maximum	89	90	91	88	87	84	85	86	90	91	92	95	96	97	95	88	93	76	75	79	83	84	81	89	90	92	95	96	82	86	80	82	84	92	88.6
	Minimum	61	61	65	70	72	60	57	58	60	69	57	60	69	70	56	58	56	52	50	48	58	58	60	66	65	69	67	58	52	56	56	60.9
Clarksburg [3]	Maximum	93	93	92	92	83	85	88	92	94	92	93	95	97	95	88	93	76	76	80	86	82	90	95	95	96	82	85	85	68	79	80	86	83.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	52	52	50	48	58	58	60	66	65	69	67	68	54	54	52	53	57.6
Elkins	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Fairmont [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Flat Top	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Gary [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Glenville	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Grafton	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Huntington	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Lewisburg	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Logan [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Madison [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Mannington	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Martinsburg [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
New Martinsville	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Parkersburg	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Pickens	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Point Pleasant	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Rainelle	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Ravenswood	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Romney	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Spencer [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Sutton	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Wardensville [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Weston	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Wheeling [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6
Williamson [3]	Maximum	89	90	87	87	81	80	86	89	88	90	92	87	89	82	70	71	73	75	83	76	85	88	87	92	82	85	85	68	65	65	68	54	54	52	53	57.6
	Minimum	64	63	68	72	64	60	59	61	62	68	65	65	72	65	58	56	55	54	48	48	50	55	55	58	65	65	68	54	54	52	53	57.6

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.092	.197	.187	.121	.111	.157	.188	.166	.194	.173	.116	.286	.128	.145	.153	.216	.170	.110	.130	.153	.111	.046	.151	.142	.154	.141	.049	.222	.128	.140	.113	4.5
	Wind movement	24	12	22	14	21	29	26	19	21	17	38	18	16	24	43	22	17	52	26	21	14	19	6	12	17	20	25	49	28	27	17	
Wardensville	Evaporation	.215	.202	.314	.010	.087	.301	.219	.233	.322	.452	.224	.124	....	.223	.355	.295	.097	.258	.123	.236	.205	.108	.191	.220	.143	.253	.121	.155	.258	.019	.202	6.1
	Wind movement	20	22	37	28	20	38	21	43	24	25	41	28	79	48	50	29	36	47	23	29	24	13	13	17	33	15	37	36	50	17	22	

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

NOV 2 19..
UNIVERSITY OF ILLINO..

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG, W. VA., SEPTEMBER 1943 No. 9

GENERAL SUMMARY

The first six days of the month were warm, but during the remainder of the month the temperature varied from slightly above to somewhat below normal. Only a few frosts were rated as killing and these occurred mostly on the higher elevations.

It was the third driest September of record. The precipitation in the northeastern panhandle division averaged 29 per cent, in the northern division, 43 per cent, and in the southern division, 59 per cent of the normal. All but one station, Camden-on-Gauley, were below normal in precipitation. At 32 stations it was the driest September of record; 15 of these stations have records of 20 years or longer.

This has been an excellent harvest month, but a poor one for growth and germination of fall planted grains. Continued dry weather worked for further deterioration of all crops in the northeastern panhandle, caused the failure of pastures in the remainder of the state and left the soil too hard and dry for seeding wheat and rye. Wells, springs and small streams were failing rapidly during the third decade, while a great many farmers in the northeastern panhandle and in some of the southern counties were hauling water for their livestock.

During the water year just ended, from October 1, 1942, through September 30, 1943, the precipitation averaged 109 percent of normal. The precipitation during the growing season averaged 103 per cent of normal. However, in the drought-stricken northeastern panhandle division it averaged just 86 per cent of normal. As the precipitation tended to normal or excess in the first months of the growing season, the field and garden crops secured were good. —*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 62.5°, or 3.8° below the normal. The mean for the northeastern panhandle division was 61.8°; for the northern division, 62.1°; and for the southern division, 63.1°. The highest monthly mean was 68.8° at Huntington and the lowest, 55.4° at Bayard and Kumbrabow. The highest temperature was 100° at Inwood on the 1st and Martinsburg on the 6th, and the lowest, 26° at Lewisburg on the 18th and Bayard and McNeil on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 130 stations, was 1.25 inches, or 1.62 inches below normal. In the northeastern panhandle division the average was 0.79 inch; in the northern division, 1.32 inches; and in the southern division, 1.37 inches. The greatest monthly precipitation was 3.99 inches at Camden-on-Gauley, and the least, 0.12 inch at Piedmont. The greatest amount in any 24 consecutive hours was 3.12 inches at Camden-on-Gauley on the 4th. The average number of days with .01 inch or more of precipitation was 6.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	11	4	9	4	2	7	3	3	7	4	3	1	2	4	9	9	10	6	1	8	3	0	1	4	6	2	4	1	3	6	1	1	9	3	4	3	3	1	7	2	5	1	3
Frosts, killing												2			1									4																				
Gales								1																							
Hail																															
Halos, lunar					1	1										1														
Halos, solar																		1													
Sleet																															
Thunderstorms	1	7	5	4	2	2	2									1															

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.49	18	29.75	6	5.4	15	s.	4	90	46	69	56	88
Columbus, Ohio	30.54	18	29.76	6	7.6	32	sw.	6	85	45	63	55	111
Elkins	30.55	18	29.82	6	3.8	15	w.	9	98	54	84	61	215
Huntington Airp't	30.51	18	29.77	6	.....	20	sw.	6	91	46	71	..	79
Parkersburg	30.54	18	29.76	6	4.3	17	w.	9	88	47	64	61	104
Pittsburgh, Pa	30.54	18	29.78	6	8.5	29	sw.	6	82	42	53	69	134

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	66.8	..	..	0.38	2.20	0.84	1.66	0.0	..	..	..	..
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	..	..	..
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	..	..	..
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	**5.96**	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	21	3.15	3.31	2.18	2.88	.0	5	17	8	5
1941	67.8	99	26	1.03	2.35	2.58	2.22	.0	7	18	9	3
1942	65.1	98	**15**	2.99	4.59	3.64	3.97	.0	11	12	10	8
1943	62.5	100	26	0.79	1.32	1.37	1.25	T.	6	16	8	6
Period	66.3	107	15	2.72	3.04	2.72	2.87	T.	7	15	8	7

Climatological Data for September 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	55.4	−5.5	86	1	26	27	0.73	−2.58	0.40	3	0.0	5	20	9	1	w.	Lewis T. Clark
Berkeley Sprgs. 3 mi. NE	Morgan	780	1	....	.....	..	..	..	..	....	.....	....	..	....	..	..	..	..	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	60.6	−4.1	94	3	27	26	0.91	−1.47	.71	4	.0	3	21	1	8	n.	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	..	..	1.05	−1.61	.90	4	.0	3	..	..	..	.....	Miss Eleanor White
Inwood	Berkeley	569	11	65.3	.....	100	1	33	§25	0.45	.....	.35	4	.0	2	11	11	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	64.9	−2.6	98	1	33	26	0.56	−2.77	.38	4	.0	3	14	14	2	n.	University Exper. Station
Martinsburg	Berkeley	435	43	65.8	−1.1	100	6	37	28	0.47	−2.45	.25	4	.0	3	..	..	..	nw.	Dr. H. S. Gardner
McNeill, 2 miles NE	Hardy	800	47	61.0	−4.8	97	§1	26	27	0.57	−1.71	.28	7	.0	5	15	7	8	w.	R. E. Saville
Piedmont	Mineral	1,053	27	62.6	−3.1	93	§1	34	§19	0.12	−2.29	.09	4	.0	3	16	4	10	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	61.2	−5.6	96	1	28	§13	1.36	−1.32	1.28	4	.0	2	17	2	11	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	..	..	0.80	−1.98	.70	4	.0	3	8	7	15	.....	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	21	60.8	−3.4	98	1	28	26	0.27	−2.32	.12	24	.0	5	..	..	..	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	18	....	.....	..	..	..	..	1.27	−2.04	.54	4	.0	5	9	14	7	.....	L. Esle Bond
Benson	Harrison	1,080	18	63.9	−3.0	94	6	33	27	2.18	−1.45	.95	3	.0	8	13	12	5	.....	R. D. Marts
Bens Run	Pleasants	652	42	65.7	−2.7	95	1	41	26	1.03	−1.56	.29	5	.0	6	24	6	0	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	57.0	.....	88	1	28	§18	1.91	.....	.60	2	.0	7	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	64.1	−3.5	94	§1	32	27	0.87	−2.88	.34	7	.0	7	15	8	7	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	59.6	−4.9	85	6	34	27	1.38	−1.58	.62	3	.0	7	18	10	2	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	34	64.0	−4.1	93	2	33	27	1.01	−1.79	.32	7	.0	9	15	12	3	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	60.8	−6.7	90	§1	33	§27	0.90	−2.70	.39	7	.0	6	21	4	5	se.	Clarksburg Water Board
Creston	Wirt	640	42	65.6	−2.2	95	§1	34	27	1.06	−1.63	.48	7	.0	7	..	..	..	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	..	..	1.56	−1.96	.53	2	.0	9	.	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	..	..	0.91	−2.07	.40	7	.0	5	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	..	..	1.13	−2.06	.46	7	.0	5	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	..	..	0.71	−1.95	.27	7	.0	7	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	..	..	..	0.77	−1.82	.33	7	.0	5	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	..	..	..	0.49	−2.10	.15	3	.0	5	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	59.4	−3.6	88	6	34	27	2.30	−0.85	1.79	2-3	.0	7	14	6	10	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	64.4	−3.0	95	§1	35	27	1.13	−1.82	.43	8	.0	5	16	7	7	w.	J. C. Robinson
Glenville	Gilmer	738	55	66.6	−1.9	95	§1	36	27	1.33	−1.89	.44	7	.0	8	16	12	2	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	61.0	−6.1	91	§6	29	27	1.05	−1.56	.40	7	.0	10	19	5	6	.....	L. W. Clayton
Grantsville	Calhoun	900	1	....	.....	..	..	..	..	....	.....	....	..	....	..	..	..	..	.....	James Roberts
Harrison County Airport	Harrison	1,188	3	61.8	.....	90	6	32	27	1.47	.....	.61	3	.0	7	9	10	11	se.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	..	..	0.74	.....	.30	7	.0	6	9	20	1	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	..	..	2.08	−1.16	1.04	3	.0	7	..	..	..	.....	Mrs. U. I. Jenkins
Maunington, 1½ mi. NW	Marion	974	41	60.6	−4.3	90	1	33	27	0.98	−2.41	.42	7	.0	8	14	9	7	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	2	63.4	.....	93	1	33	27	0.65	.....	.23	7	.0	5	18	7	5	sw.	L. A. Crumrine
Morgantown, 3 miles N	Monongalia	1,300	43	....	.....	..	..	..	..	....	.....	....	..	.0	..	..	.	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	63.2	−2.3	95	§1	31	27	0.98	−1.93	.58	2	.0	7	13	8	9	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	65.0	−3.5	93	§1	37	27	0.71	−2.32	.49	7	.0	4	24	6	0	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	64.6	−2.7	95	1	38	27	0.67	−2.09	.39	6-7	.0	7	17	6	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	59.9	−3.8	91	6	31	27	0.97	−2.18	.40	3-4	.0	7	..	..	..	.....	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	..	..	..	0.86	−2.44	.31	4	.0	7	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	57.0	−4.8	85	6	27	26	1.68	−2.42	.92	3	.0	6	21	4	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	..	..	1.00	−2.40	.33	7	.0	6	17	9	4	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	62.7	.....	93	7	36	27	1.19	−2.29	.41	5	.0	8	3	1	26	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	..	..	0.98	−1.72	.35	7	.0	9	..	..	..	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	37	55.7	−6.1	84	§1	30	27	1.33	−2.38	.70	4	.0	4	20	4	6	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	..	..	..	1.05	−2.95	.52	4	.0	3	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	64.7	−3.3	93	§1	35	27	2.15	−1.17	1.10	3	.0	7	12	10	8	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	43	62.0	−2.9	93	1	30	27	1.09	−1.90	.65	7	.0	4	16	10	4	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	..	..	1.19	−2.08	.62	7	.0	5	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	66.0	−1.3	95	§1	36	27	1.66	−1.57	.43	6-7	.0	8	..	..	..	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	63.4	−4.0	92	1	39	27	1.32	−1.60	.91	7	.0	5	14	10	6	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	....	.....	..	..	..	..	1.37	−1.16	.99	4	.0	4	19	4	7	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	61.4	−2.7	88	5	31	18	1.41	−1.13	.44	20	.0	8	19	7	4	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	62.8	−3.4	88	1	33	18	1.75	−0.57	.62	20	.0	9	18	8	4	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	68.6	−2.3	98	1	41	18	1.04	−1.94	.61	7	.0	5	15	10	5	.....	Arnold R. Knapp
Charleston (Airport)	Kanawha	606	5	65.0	.....	96	1	38	18	1.23	.....	.79	6-7	.0	9	9	13	8	ne.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	..	..	..	1.07	−2.15	.60	7	.0	6	..	..	..	.....	L. E. Woofter
Flat Top	Mercer	3,270	5	57.1	.....	85	1	31	§18	1.70	.....	.59	19	20	.0	11	15	7	8	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	63.6	−4.9	93	1	36	§18	1.28	−1.71	.39	21	.0	7	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	63.9	.....	94	1	31	27	2.23	.....	1.02	4	....	5	9	12	9	sw.	State Forest Nursery
Hamlin	Lincoln	641	..	65.7	.....	98	1	32	27	1.39	.....	.88	7	.0	6	12	8	10	w.	F. E. Brown
Hinton	Summers	1,431	43	65.0	−3.0	97	1	37	18	1.04	−1.65	.41	20	.0	7	..	..	..	.....	Mrs. M. L. McCluug
Huntington	Cabell	571	43	68.8	−0.2	99	1	42	26	2.07	−0.38	.70	7	.0	9	11	11	8	w.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	.	..	1.20	−2.18	.45	24	.0	5	.	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	59.8	−4.5	91	6	26	18	1.01	−1.68	.65	20	.0	5	13	14	3	w.	James B. Stuart
Logan	Logan	700	32	67.0	−3.4	98	1	42	§18	1.09	−2.06	.31	24	.0	8	11	12	7	.....	Paul A. Simonds
London Locks	Kanawha	623	8	62.8	.....	88	1	42	18	1.09	.....	.40	24	.0	6	..	..	..	s.	Lockmaster
Madison	Boone	675	21	....	.....	..	..	..	..	....	.....	....	..	....	..	..	..	..	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	59.1	.....	88	5	33	17	1.05	....	.45	24	.0	7	15	2	13	.....	M. H. Martin
Pineville	Wyoming	1,350	1	64.4	.....	97	1	30	18	1.34	.....	.45	7	.0	7	16	9	5	.....	Charles Dameron
Point Pleasant	Mason	595	44	67.3	+1.4	97	§1	41	§26	1.79	−0.62	1.10	4	.0	6	18	8	4	s.	E. C. Winger
Rainelle	Greenbrier	2,424	12	59.3	−3.6	87	6	29	18	1.50	−1.62	.67	20	.0	11	18	3	9	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	63.3	−6.1	92	1	34	27	0.41	−1.99	.34	7	.0	3	13	9	8	sw.	Lockmaster
Richwood	Nicholas	610	1	59.6	−5.1	90	3	31	§18	0.75	−2.36	.35	21	.0	4	22	3	5	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	12	....	.....	..	..	..	..	....	.....	....	..	....	..	..	..	..	.....	Sattis Simmons
Ryan	Roane	760	40	61.2	−3.4	94	1	28	§26	1.50	−1.50	.83	7	.0	10	18	10	2	.....	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	57.2	.....	86	5	27	27	1.08	.....	.63	3	.0	3	21	1	8	sw.	Supt., State Forest
Spencer	Roane	789	40	64.0	−2.5	94	2	33	27	1.27	−1.61	.66	7	.0	6	19	9	2	.....	A. M. McKown
Summersville	Nicholas	1,900	7	60.4	.....	89	1	31	28	1.72	.....	.98	4	.0	5	15	4	11	.....	A. E. Dorsey
Sutton	Braxton	850	39	66.0	−2.7	93	§6	36	27	1.01	−2.34	.50	7	.0	4	..	..	..	.....	C. B. Eakle
Union	Monroe	2,200	32	60.2	−5.9	92	§1	28	18	0.76	−1.79	.33	20	.0	6	..	..	..	.....	C. B. King
Webster Springs	Webster	1,500	11	63.9	.....	90	6	36	27	1.18	.....	.49	3	.0	5	12	12	6	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	....	.....	..	..	..	..	1.00	−1.84	.52	20	.0	5	4	21	5	.....	Ashford General Hospital
Williamson	Mingo	673	35	66.2	−3.5	95	1	42	18	1.49	−1.50	.43	24	.0	6	14	9	7	nw.	J. E. Dotson
Winfield Locks	Putnam	571	5	66.4	.....	95	1	42	§18	0.93	.....	.72	7	.0	7	15	6	9	sw.	Lockmaster
State averages and extremes			..	62.5	−3.8	100	§1	26	§18	1.25	−1.62	*3.12	4	‡ T.	6	16	8	6	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, " one day, " two days etc. § Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. * At Camden-on-Gauley. ‡ At Spruce Knob.

Daily Precipitation for September 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac			.40	.10			.09	.06												.08												0.73
Brandywine	do				.71			T.													.12				.08	T.							0.91
Brushy Run [2]	do				.76			T.													.03	T.			.09								0.88
Harpers Ferry [2]	do				.90																.03				.12								1.05
Inwood	do				.35			.10																									0.45
Kearneysville	do				.38			.09																	.09								0.56
Knobly Mountain [2]†	do			.05	.19																				.05								0.29
Martinsburg [2]	do				.25				.10									T.			T.	T.			.12								0.47
McNeill †	do		.05	.15	T.			.28									T.				.03				.06	T.							0.57
Petersburg	do		.05	.27	T.			.13													.05					.09							0.59
Piedmont	do				.09			.02									T.								.01								0.12
Romney	do		.08		1.28																												1.36
Spruce Knob [2]†	do			T.	.40		T.	.07	.13									T.		.09	.07			.17		T.						0.93
Stony River Dam [2] †	do			.07	.70			.03																									0.80
Wardensville [2]	do				.07	.02			.03												.03				.12								0.27
Northern Division																																	
Aberdeen†	West Fork		T.	.17	.54		T.	.33								T.	.10					T.			.13								1.27
Belington [2]	Tygart		T.	.33	1.97	T.	.03	.39	.13									.08				T.			.07		.14						3.14
Benson †	West Fork		.02	.95	.02	.41	.02	.52									.14								.10								2.18
Bens Run	Ohio				T.		.29	.26	.27								.16							.01	.04								1.03
Big Skin Creek†	West Fork	T.	.13	.15			.11	.92																.12	.15								1.58
Brandonville	Cheat		.60		.16	.42		.35	.10								T.	.21							.07								1.91
Brownsville †	West Fork		.03	.20	.06		.08	.34									.09								.07								0.87
Buckhannon	Tygart		T.	.62	T.	.05	.10	.30									.08							T.	.15	T.	.08						1.38
Cairo	Litl.Kanawha		.06	.03	.22	.02	.05	.32									.22								.04	.05							1.01
Clarksburg [2]	West Fork		.09		.10			.39	.09								T.	.15							.08								0.90
Crawford	do			.70			.19	.40									.06				T.			T.	.11	.02							1.48
Creston [2]	Litl.Kanawha		.04	.01	.13		.20	.48										.11							.09								1.06
Dailey [2]†	Tygart			.03	.71			.28	.05									.02			.05	T.			.14		.13						1.41
Dam 10, Mon. R. [2]†	Monongahela		.53	.05	.04	.11		.34	.14								T.	.23	.06		T.				.06		T.						1.56
Dam 13, O. R. [2]†	Ohio		.30				.13	.40									.03	.05															0.91
Dam 15, Mon. R. [2]†	Monongahela		.25	T.	.04			.46	T.									.33							.05								1.13
Dam 19, O. R. [2]†	Ohio		.10	T.	.13	.09	T.	.27									T.	.10							.01		.01						0.71
Dam 20, O. R. [2]†	do		.03	T.	.05	T.		.33									.05	.31							T.								0.77
Elizabeth (Dam 3) [2]	Litl.Kanawha		.11	.15		.06		.03									.14																0.49
Elk †	West Fork			.25	T.			.30																		.24								0.79
Elkins [1] ‡	Tygart		.07	1.76		T.		.28									.05				.02			.07		.05							2.30
Fairmont [2]	Monongahela		.28		T.			.43									.07	.26							.09		T.						1.13
Glenville [2]	Litl.Kanawha		.12	.11	.08		.26	.44	.08									.07							.17								1.33
Grafton	Tygart		.17	.01	.05	.09	.07	.40	.01								.17								.07		.01						1.05
Hackers Creek †	West Fork			1.54	.19	T.		.60																	.30								2.63
Hall [2]	Tygart		T.	T.	.34	.23	.08	.18	.20							T		.19			T.	T.			.08		T.						1.30
Harrison Co. Airport [2]	West Fork		.10	.61		T.	.15	.40									.15							.02		.04							1.47
Hastings	Ohio		.17	.03		.03	.20	.30									.01																0.74
Horner	West Fork			.15	.13			.62									.25								.35								1.50
Ireland	do			T.				1.32										T.								.11							1.43
Jane Lew	do		.05	1.04	.32			.42									.09								.14		.02						2.08
Kumbrabow St. For. †	[2] Tygart			.71	.05			.25									.05				.13	.03				.20							1.42
Mannington	Monongahela		.27	T.	.03		.01	.42		T.							.17				.02			.04	T.	.02	T.						0.98
Middlebourne	Middle Is. Creek		.12				.10	.28										.16							.04								0.65
Midvale [2]†	Tygart				.92	.61	T.	.42	.12									.18			.05				.15								2.45
Morgantown	Monongahela																																
Mt. Clare	West Fork		.03	.27	T.			*	.60								.16							*	.15								1.21
New Cumberland	Ohio		.58		.01	.02	.16	.12										.03								.06								0.98
New Martinsville	do		.10	.02				.49									.10								T.								0.71
Parkersburg [1]‡	do		.03	T.	.03	T.	.18	.21							T.		.16							.01	.05								0.67
Parsons	Cheat			.02	.38			.35									.05				.09				.04	.04							0.97
Philippi [2]	Tygart		T.	.01	.31		T.	.10	.17							T.		.12				T.			.11		.04						0.86
Pickens	do			.92			.13	.22									.08				.11				.22								1.68
Roanoke	West Fork			T.	.19		.20	.33									.08							T.	.15		.05						1.00
Rockford †	do		.56	.27				.42							T.		.15								.14								1.54
Rowlesburg [2]	Cheat		.11	.05	.11	.41		.08	.12									.23							.08		T.						1.19
Saint Marys [2]	Ohio		.10	.03	.01		.04	.35									.02	.18							.04		.21						0.98
Salem	West Fork		.82		.46			.47									.25							.10	.16								2.26
Shinnston	do	.05	.15	.30	.35		.56										.10							.02									1.53
Terra Alta †‡	Cheat		.40		.70			.12									.11																1.33
Thomas [2]	do			.28	.52				.25																								1.05
Valley Chapel	West Fork		.01	1.10	.10		.07	.66									.09								.12								2.15
Valley Head [2]	Tygart			.04	.25		.04	T.	.05									.05			.19	T.			.10		.02						0.74
Vandalia †	West Fork			.55	.42		.15	.65								.09									.15								2.01
Wellsburg (near)	Ohio		.14				T.	.65								T.	T.	.18								.12								1.09
West Milford	West Fork			.10	.30			.62	.05								.12																1.19
Weston [2]	do		.02	.19	.16			.31	.12									.08							.14		.04						1.06
Wheeling (Dam 12) [2]	Ohio		.19			T	T.	.91									T.	.13	.05								.04						1.32
Southern Division																																	
Arbovale [2]	Greenbrier				.99												T				.35				.02	.01							1.37
Beckley	New				.06		.18	.14									.04				.44	.04		.38	.13	T.							1.41
Bluefield	New			.07				.30									.18	.04			.62	.19	.14		.20		.01						1.75
Camden-on-Gauley [2]	Gauley				3.12		.14	.15	.08												.23	.02			.25								3.99
Charleston	Gr. Kanawha			.01				.61									T.				.13			.27	.02	T.							1.04
Charleston (Airport) [4]	do		T.	T.	.03	.06	.01	.78									.02			.02	.12	.01		.18		T.							1.23
Clay [2]	Elk						T.	.60	.04									.05			.13	T.			.20		.05						1.07
Flat Top [4]	New				.06	.40	.02	.11							.02		.11			.33	.28	.17		.17		.03							1.70
Gary [2]	Big Sandy			.01				.06										.27			.33	.39	.06		.16								1.28
Greenbottom [2]†	Ohio			.53	1.02	.06		.59																.03									2.23
Hinton [2]	New				.05	.13		.02								T.		T.			.41	.22	.01		.20		T.						1.04
Hogsett [2]	Ohio		.13	.05	.55	.02	.15	.51													T.	.03			.03	T.	T.						1.47
Huntington	do		.12	.10	.58	.32	T.	.70							T.		.06				.10			.05		.04							2.07
Kayford [2]	Gr. Kanawha							.16								.01		.31			.27	T.			.45								1.20
Lewisburg	Greenbrier				.03												T.				.05	.05			.18	.10							1.01
Logan [2]	Guyandot			T.	.03			.08	T.							.01		.30			.26	.09			.31		.01						1.09
London Locks [2]†	Gr. Kanawha						.22	.29										.03			.12	.03			.40								1.09
Madison [2]	Coal																																
Oak Hill	New						.16	.02										.05			.30	.02			.45		.05						1.05
Pineville	Gr. Kanawha				T.			.45								T.		.10			.39	.13	.03	.06	.18								1.34
Point Pleasant [2]	Ohio		.12		1.10	.02		.51									.02								.02	T.							1.79
Princeton [2]	New			T.	T.		.09											.08			.37	.26	.10	T.	.06	T							0.96
Rainelle	Greenbrier			.01	.04			.11								.02	.02				.67	.10		.28	.11	.10	.04						1.50
Ravenswood [2]	Ohio		.02		.05			.34																									0.41
Richwood [2]	Gauley						.18											.05			.35				.17								0.75

Continued on next page.

Daily Precipitation for September 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha		.11	.06	.10	.12		.83									.05				.05			.07	.05	.06							1.50
Seneca State Forest†	Greenbrier			.63	T.																					.11							1.08
Spencer [2]	Litl.Kanawha			.04	.16		.34	.66									T.	.06				.01					T.						1.27
Summersville [2]	Gauley				.98			.15								T.					.23		.06		.30								1.72
Sutton	Elk			.28	T.			.50													.05				.18								1.01
Thornwood [2]	Greeubrier			.10	.46																.28				.20	T.	.04						1.08
Union [2]	New																	.02			.33	.25	.06		.07		.03						0.76
Wayne [2]	Twelvepole		.01		.25		.25	.69													.08	.10			.13								1.51
Webster Springs	Elk			.49		.08											T.				.40			T.	*	.21							1.18
White Sulp'r Spgs. [2]	Greenbrier				.03																.52	.23			.02	.20							1.00
Williamson [2]	Big Sandy				T.			.24								.03	T.	.20			.34	.25			.43								1.49
Winfield Locks [2]†	Gr. Kanawha		T.		.06	T.		.72										.01			.04	.03			.05		.02						0.93

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, or less than .01 inch. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Houit; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. ‖ Estimated

Daily Temperatures for September 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	86	80	78	81	80	85	66	77	70	65	70	70	66	65	66	68	68	78	65	65	66	75	73	50	55	60	75	80	79	75		71.2
	Minimum	48	56	49	60	53	58	59	38	40	34	32	33	35	36	28	29	34	38	50	40	41	42	43	28	32	30	26	30	30	32		39.5
Beckley	Maximum	86	85	82	81	88	81	80	74	77	66	73	75	78	74	81	75	69	72	68	65	65	75	73	64	49	65	75	76	80	75		74.2
	Minimum	56	64	65	66	64	63	62	44	46	36	36	42	46	49	52	55	46	31	45	51	55	56	48	44	39	35	36	40	42	46		48.7
Bluefield	Maximum	88	87	82	83	86	*80*	*83*	80	78	76	71	*73*	74	78	80	79	67	64	68	*64*	63	73	76	72	56	*66*	72	74	76	74		74.8
	Minimum	59	64	64	68	*65*	*64*	64	50	49	40	40	46	*48*	50	57	60	49	33	49	*52*	55	57	52	45	38	*36*	36	44	46	43		50.8
Brandywine	Maximum	89	93	94	84	87	90	85	83	82	70	72	74	75	80	83	81	76	75	76	66	63	82	83	67	60	65	80	83	82	75		78.5
	Minimum	59	61	60	53	60	61	60	48	44	35	32	34	30	32	38	49	37	34	32	46	48	50	48	40	32	27	28	34	34	36		42.7
Buckhannon	Maximum	80	84	79	83	81	85	80	70	70	60	70	70	75	74	75	71	60	64	68	68	68	74	74	60	57	60	70	75	78	73		71.9
	Minimum	55	65	64	65	62	65	60	45	49	41	38	40	40	38	52	53	44	37	38	48	48	44	46	43	40	38	34	38	40	47		47.2
Cairo	Maximum	91	93	84	89	90	92	90	80	82	73	75	76	81	83	82	84	73	70	73	75	75	80	82	73	66	58	77	76	86	87		79.9
	Minimum	61	70	68	68	68	67	62	52	52	40	39	42	41	43	48	52	42	35	38	48	51	48	48	42	41	35	33	34	36	38		48.1
Charleston (Airport)	Maximum	96	86	85	92	91	94	78	84	74	72	79	77	84	83	86	75	67	76	77	66	76	82	77	64	62	68	81	81	86	82		79.4
	Minimum	61	69	70	66	67	65	54	55	45	42	44	42	48	46	53	53	40	38	46	55	56	54	46	41	40	39	43	45	48	44		50.5
Clarksburg [3]	Maximum	90	81	78	85	86	90	71	80	71	67	71	71	80	81	80	70	62	67	74	68	74	79	74	60	61	60	75	80	84	76		74.9
	Minimum	54	63	65	67	64	66	66	50	50	40	39	40	39	38	38	51	43	36	36	38	52	48	48	41	42	38	33	33	38	42		46.6
Elkins	Maximum	86	80	81	81	82	88	70	76	70	62	69	69	74	76	76	66	58	66	71	62	72	74	72	55	52	60	73	72	78	74		71.5
	Miuimum	58	62	66	65	62	62	55	48	49	42	37	44	37	40	53	51	44	37	37	49	50	48	49	41	38	38	34	40	40	41		47.2
Fairmont [3]	Maximum	95	84	82	88	82	95	75	86	78	69	67	77	82	84	86	75	63	71	74	75	76	83	77	66	57	67	81	86	86	80		78.2
	Minimum	62	69	66	68	66	65	64	54	53	43	45	42	40	43	49	56	46	39	43	53	53	49	51	41	44	41	35	41	46	47		50.5
Flat Top	Maximum	85	79	75	80	82	81	67	76	72	62	68	71	70	75	77	66	56	65	62	54	58	71	73	50	52	59	72	72	73	72		69.2
	Minimum	51	60	62	63	61	60	54	43	43	36	33	39	45	46	54	50	35	31	42	47	52	52	45	31	31	33	31	36	39	44		45.0
Gary [3]	Maximum	93	90	85	89	90	91	76	84	79	72	79	81	81	85	86	72	66	75	*73*	64	67	79	81	61	*63*	70	78	81	83	80		78.5
	Minimum	54	58	62	67	61	64	64	55	47	41	40	40	44	41	44	54	50	36	36	*51*	55	60	53	49	36	38	37	37	43	42		48.6
Glenville	Maximum	95	95	80	90	90	94	93	85	82	74	79	78	86	88	86	84	75	76	79	75	78	83	83	68	64	69	82	87	90	89		82 6
	Minimum	62	70	69	69	68	68	65	56	54	44	43	46	43	45	42	55	44	39	44	52	53	52	52	45	43	38	36	40	43	42		50.7
Grafton	Maximum	90	90	82	85	86	91	91	81	81	74	74	73	82	82	82	81	71	65	72	79	76	78	79	76	65	59	75	82	87	87		79.2
	Minimum	56	61	61	61	56	61	57	43	44	36	32	35	32	32	49	47	40	32	32	43	45	40	43	37	35	35	29	33	36	38		42.7
Huntington	Maximum	99	94	84	93	91	92	88	88	80	77	81	80	88	83	88	82	74	77	78	74	79	84	80	70	65	70	84	85	87	86		82.7
	Minimum	63	72	73	71	74	68	65	54	59	46	46	50	52	56	56	61	48	44	48	57	56	56	55	44	46	42	43	48	49	47		55.0
Lewisburg	Maximum	90	86	80	82	88	91	76	84	80	70	76	77	77	82	82	76	65	73	70	60	67	79	77	60	56	64	76	79	80	80		76.1
	Minimum	50	57	64	66	54	58	64	43	40	32	31	40	37	36	45	48	38	26	37	49	54	52	43	38	33	32	29	35	35	39		43.5
Logan [3]	Maximum	98	89	84	94	93	96	80	87	79	75	82	83	86	87	90	67	70	78	76	67	71	84	80	62	66	72	81	84	88	83		81.1
	Minimum	61	62	69	70	69	67	66	58	53	45	44	44	50	50	50	57	49	42	42	46	58	61	57	47	45	45	42	44	47	45		52.8
Madison [3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	.	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		....
Mannington	Maximum	90	83	79	84	84	88	78	79	71	67	71	70	78	78	78	70	61	67	73	70	74	78	73	62	59	64	74	80	82	78		74.8
	Minimum	62	68	63	66	63	67	62	51	50	38	37	38	36	36	50	51	42	34	35	46	48	46	47	39	38	36	33	35	38	39		46.5
Martinsburg [3]	Maximum	98	90	80	73	93	100	93	88	85	80	83	75	78	80	90	80	75	70	76	75	73	85	86	68	68	70	81	86	85	70		81.1
	Minimum	58	66	68	66	65	69	69	59	54	47	45	45	40	43	45	50	55	40	39	40	51	58	55	50	44	39	38	37	41	43		50.6
New Martinsville	Maximum	93	87	80	88	85	93	79	83	75	71	75	74	81	80	82	77	65	71	75	76	78	82	80	66	65	69	79	84	86	82		78.7
	Minimum	65	71	65	69	69	67	62	54	55	45	43	44	42	43	53	53	42	39	43	53	55	55	53	43	42	41	37	40	47	46		51.2
Parkersburg	Maximum	95	83	80	89	85	90	79	83	71	70	72	72	80	76	84	74	63	69	72	72	77	82	73	62	55	67	78	83	84	80		76.7
	Minimum	66	71	68	71	72	70	56	51	50	42	45	46	48	56	55	55	47	42	46	56	54	51	50	45	44	39	38	46	46	50		52.5
Pickens	Maximum	81	72	80	75	78	85	77	80	60	74	76	70	70	75	71	65	65	70	68	65	75	76	72	50	55	52	75	74	72	76		71.1
	Minimum	45	57	59	61	61	56	55	46	36	34	33	38	47	50	47	43	40	30	32	43	42	42	42	40	36	27	31	37	42	38		43.0
Point Pleasant	Maximum	97	97	83	89	88	85	86	86	87	74	75	74	84	83	82	82	71	73	76	76	75	81	81	61	61	68	80	81	85	83		80.1
	Minimum	64	71	70	70	73	70	65	53	58	48	47	48	50	56	56	61	48	43	46	58	55	53	55	44	46	41	41	47	49	48		54.5
Rainelle	Maximum	81	82	83	81	85	87	85	78	69	69	74	74	74	71	80	79	58	69	69	68	62	75	75	68	56	66	76	80	78	77		74.3
	Minimum	52	57	61	66	57	60	63	39	42	35	33	38	40	39	47	47	41	29	40	48	54	54	45	44	34	32	30	34	37	31		44.3
Ravenswood	Maximum	92	84	83	88	80	89	78	81	70	70	69	74	81	77	82	73	67	72	74	68	76	81	82	65	56	68	77	82	84	82		76.8
	Minimum	61	69	68	70	72	69	63	48	52	39	40	44	45	52	51	56	41	36	42	51	51	47	49	45	39	36	34	41	42	41		49.8
Romney	Maximum	96	93	75	77	90	95	82	86	85	76	73	74	75	80	85	82	71	75	75	73	66	62	85	74	65	70	83	87	85	80		79.2
	Minimum	57	59	62	60	60	75	62	46	45	40	33	33	28	33	39	47	55	28	40	43	44	45	40	37	31	28	28	31	36	35		43.3
Spencer [3]	Maximum	94	84	78	90	88	92	77	83	73	73	76	78	84	88	85	75	69	73	76	65	69	82	70	65	69	70	79	84	85	80		78.5
	Minimum	55	70	69	69	70	64	64	51	54	40	41	45	44	48	51	57	42	36	42	52	51	50	48	41	42	34	33	36	41	42		49.4
Sutton	Maximum	92	92	88	87	87	93	93	85	85	78	77	78	81	82	85	85	77	72	78	78	74	82	82	75	65	67	80	83	85	85		81.7
	Minimum	60	64	65	66	64	65	63	57	51	44	41	48	45	41	55	54	45	39	40	52	56	51	50	45	41	40	36	41	44	43		50.2
Wardensville [3]	Maximum	98	85	70	75	89	94	75	85	84	73	78	72	73	78	85	80	69	70	74	69	75	83	85	60	61	65	79	83	81	75		77.4
	Minimum	57	58	66	64	61	63	63	49	44	36	34	35	29	30	41	47	49	32	31	44	51	53	46	43	33	28	30	34	35	41		44.2
Weston	Maximum	95	85	80	89	89	95	89	85	78	71	80	78	85	86	85	82	70	71	80	78	76	83	74	70	61	70	80	85	88	85		80.8
	Minimum	64	70	68	67	70	70	71	52	54	44	41	45	40	40	53	58	45	40	40	54	60	50	50	44	43	41	36	40	41	44		51.2
Wheeling [3]	Maximum	92	86	87	85	84	90	78	83	72	70	71	70	80	80	82	73	62	67	73	75	77	81	67	69	58	67	78	83	85	80		76.8
	Minimum	58	70	63	62	71	71	64	56	53	45	44	41	41	44	47	47	41	41	44	55	50	51	43	43	40	39	42	43	48			49.9
Williamson [3]	Maximum	95	90	82	93	93	94	80	83	78	73	79	81	85	85	87	69	69	75	71	65	70	80	78	65	65	69	77	80	83	81		79.2
	Minimum	59	61	70	70	70	66	67	58	54	45	44	46	51	50	50	58	51	42	43	50	57	62	57	48	45	44	43	43	48	47		53.3

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.111	.125	.010	.080	.045	.115	.131	.107	.122	.170	.086	.108	.113	.087	.079	.197	.039	.044	.040	.036	.029	.052	.073	.081	.065	.057	.040	.062	.064	.092		2.460
	Wind movement	22	9	31	3	5	8	24	20	19	61	20	36	25	20	17	21	30	40	17	10	18	8	17	26	38	12	8	17	12	16		613
Wardensville	Evaporation	.210	.245	.055	.033	.088	.198	.310	.047	.172	.311	.120	....	.211	.223	.209	.200	.045	.253	.196	.176	.062	.060	.129	.182	.074	.065	.145	.138	.182	.158		4.652
	Wind movement	20	29	16	42	32	43	49	14	13	50	20	47	34	32	33	36	49	57	19	48	25	30	18	53	19	22	25	24	19	42		960

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 10-27-43—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LI PARKERSBURG, W. VA., OCTOBER 1943 No. 10

GENERAL SUMMARY

The month was cold, the mean temperature for the State averaging 2.3° below normal. All but two stations registered minus departures. Killing frosts occurred quite generally on the 5th. The warm periods were the 1st–3d and the 8–16th; the cold periods were the 4–7th and the 17–20th.

Both the northern panhandle and the eastern half of the northeastern panhandle had above normal precipitation, while the remainder of the State received less than the normal amount of rainfall. The northeastern panhandle averaged 104%, the northern division, 65% and the southern division 79%, of the normal precipitation. The northeastern part of the State had light to heavy rains the first two days of the month; however, the remainder of the State was rainless until the 14th. Measurable snow fell at six high-level stations during the month. The greatest number of snow-lying days was four, at Spruce Knob. No floods or damaging storms were reported.

Fall-seeded grains made fairly good growth. Farm work consisted mostly in shucking corn, threshing some belated soybeans and picking apples. The long-continued drought in the northeastern panhandle resulted in apples sizing very poorly. Drought-damaged pastures were beginning to revive at the close of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 70 stations, was 52.4°, or 2.3° below the normal. The mean for the northeastern panhandle division was 52.0°; for the northern division, 51.7°; and for the southern division, 53.1°. The highest monthly mean was 57.8° at Huntington and the lowest, 45.2° at Bayard. The highest temperature was 89° at Hamlin on the 1st, and the lowest, 19° at Pickens on the 21st.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 130 stations, was 2.26 inches, or 0.59 inch below normal. In the northeastern panhandle division the average was 2.87 inches; in the northern division, 2.05 inches; and in the southern division, 2.28 inches. The greatest monthly precipitation was 5 45 inches at Romney, and the least, 0.92 inch at Shinnston. The greatest amount in any 24 consecutive hours was 2.05 inches at Romney on the 1st. The greatest monthly snowfall was 4.0 inches at Spruce Knob. The average number of days with .01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	22	28	7	2	29	26	17	20	7	12	20	18	13	3	6	1	..	..	3	14	21	2	4	6	2	2	2	5	1	..	4
Frosts, killing	..	..	..	3	30	7	..	..	..	..	..	..	..	..	..	..	1	3	..	1	1	..	1	..	..	..	..	..	..	..	..	..
Gales	..	..	1	1	..	..	1	..	..	..	..	..	..	..	1	5	3	6	2	..	..	2	..	..	..	..	..	..	2	3	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	11	11	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.50	6	29.65	16	7.2	23	sw.	18	90	47	66	60	289
Columbus, Ohio	30.49	6	29.54	16	8.6	40	sw.	18	86	49	62	61	339
Elkins	30.57	6	29.43	16	5.4	23	sw.	18	92	58	74	45	474
Huntington Airp't	30.51	6	29.58	16	.....	20	w.	22	84	47	67	....	296
Parkersburg	30.50	6	29.51	16	5.2	22	sw.	18	87	53	67	54	330
Pittsburgh, Pa	30.49	6	29.46	16	9.9	26	nw.	22	83	57	61	43	430

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	....	7	..	..	..
1892	52.6	89	24	.21	1.05	.48	.83	....	4	..	..	..
1893	54.1	86	16	4.85	4.20	5.91	4.74	....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	**.40**	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2.19	1.13	1.80	.4	8	14	9	8
1941	59.6	99	17	1.26	3.68	2.48	2.89	.0	12	12	9	10
1942	55.8	87	11	6.93	3.73	3.08	4.04	T.	10	13	8	10
1943	52.4	89	19	2.87	2.05	2.28	2.26	.1	8	15	5	11
Period	54.7	102	8	2.75	2.98	2.71	2.85	0.3	8	16	7	8

Climatological Data for October 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	45.2	−4.0	78	8	20	4†	1.88	−1.38	0.45	26	T.	11	13	4	14	w.	Lewis T. Clark
Berkeley Sprgs. 3 mi. NE	Morgan	780	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	..	.....	.....	.....	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	50.6	−2.7	82	9	22	5	1.62	−0.75	0.35	14	0.0	6	22	0	9	n.	E. L. Keister
Harpers Ferry	Jefferson	400	43	.....	.....	.....	.....	.....	.....	3.50	+0.24	1.00	27	0.0	10	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	54.0	.....	84	9	28	18	3.73	.....	1.17	16	0.0	8	11	8	12	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	53.7	−1.2	84	9	32	5†	4.29	+1.03	1.33	16	0.0	7	10	16	5	n.	University Exper. Station
Martinsburg	Berkeley	435	43	54.7	0.0	83	9	35	5†	3.92	+0.85	0.70	16†	0.0	11	21	5	5	w.	Dr. H. S. Gardner
McNeill, 2 miles NE	Hardy	800	47	52.0	−2.1	84	8	23	5†	2.63	+0.32	0.52	1	0.0	8	12	6	13	w.	R. E. Saville
Piedmont	Mineral	1,053	27	52.0	−1.4	79	7†	29	5	2.65	0.00	0.76	26	0.0	10	14	2	15	se.	C. A. Suter, Jr.
Romney	Hampshire	824	41	54.0	−0.9	84	8	26	4	5.45	+2.90	2.05	1	0.0	8	13	5	13	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	.....	.....	.....	.....	.....	.....	2.63	−0.57	0.51	25	0.5	10	6	6	19	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	21	51.4	−1.2	82	9	26	5†	3.62	+0.46	1.27	15	0.0	11	.....	.....	.....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	18	.....	.....	.....	.....	.....	.....	1.73	−1.81	0.91	16	T.	8	8	9	14	w.	L. Esle Bond
Benson	Harrison	1,080	18	52.8	−0.1	82	12†	27	5	2.88	−0.68	1.60	16	.....	9	13	5	13	.....	R. D. Marts
Bens Run	Pleasants	652	42	54.6	−2.0	84	12	34	20	2.63	−0.39	1.78	16	.....	7	19	5	7	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	46.9	.....	79	13	23	21	2.89	.....	0.70	16	T.	13	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	19	54.2	−0.4	83	11†	27	5†	1.42	−2.00	0.73	16	.....	8	13	6	12	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	50.8	−3.0	75	13	27	5	1.97	−1.17	0.95	16	.....	8	16	3	12	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	34	53.5	−2.3	85	1	28	5†	1.88	−1.04	1.33	16	.....	7	16	4	11	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	50.4	−3.0	79	13	30	5†	1.85	−1.28	0.69	16	.....	9	15	3	13	se.	Clarksburg Water Board
Creston	Wirt	640	42	54.4	−1.3	85	12	29	5†	1.91	−1.24	1.00	16	.....	10	13	6	12	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	.....	.....	.....	.....	.....	.....	1.88	−1.29	0.53	16	.....	10	.....	.....	.....	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	.....	.....	.....	.....	.....	.....	3.27	+0.58	1.48	16	.....	8	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	.....	.....	.....	.....	.....	.....	2.01	−1.23	0.79	16	.....	8	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	26	.....	.....	.....	.....	.....	.....	1.66	−0.99	0.91	16	.....	9	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	25	.....	.....	.....	.....	.....	.....	1.68	−1.07	1.00	16	.....	9	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	.....	.....	.....	.....	.....	.....	2.09	−0.83	1.28	16	.....	5	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	44	49.6	−2.7	76	12	28	6	1.54	−1.37	0.70	16	T.	11	11	5	15	nw.	U. S. Weather Bureau
Fairmont	Marion	883	44	52.4	−2.7	85	13	32	6	1.85	−1.26	0.41	16	.....	11	13	2	16	w.	J. C. Robinson
Glenville	Gilmer	738	55	54.8	−1.4	86	12	31	6†	2.88	−0.33	1.46	16	.....	7	5	16	10	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	51.1	−4.1	82	13†	24	5†	1.63	−1.33	0.71	16	.....	11	15	1	15	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	3	51.5	.....	80	13	27	5	1.48	.....	0.77	16	0.0	10	12	4	15	sw.	U. S Airway Station
Hastings	Wetzel	809	8	.....	.....	.....	.....	.....	.....	3.22	.....	1.61	16	T.	11	12	6	13	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	.....	.....	.....	.....	.....	.....	1.75	−1.57	0.80	16	.....	9	.....	.....	.....	.....	Mrs. U. 1. Jenkins
Mannington, 1½ mi. NW	Marion	974	41	51.4	−2.2	80	12†	25	5†	2.19	−0.98	0.61	16	.....	10	14	3	14	w.	James A. Morgan
Middlebourne, 2¼ mi. SE	Tyler	750	2	52.6	.....	84	12	27	5	2.19	.....	1.07	16	.....	7	17	2	12	nw.	L. A. Crumrine
Morgantown, 3 miles N	Monongalia	1,300	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	.....	..	.....	.....	.....	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	52.7	−1.3	83	12	30	5†	2.98	+0.26	1.52	17	.....	10	9	7	15	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	54.1	−2.7	84	12	32	18	2.58	−0.54	1.63	16	.....	6	18	1	12	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	54.4	−1.7	82	1	32	20	1.29	−1.19	0.67	16	T.	9	15	5	11	n.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	52.4	+0.9	85	9†	27	6	1.36	−1.91	0.66	16	.....	11	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	43	.....	.....	.....	.....	.....	.....	2.04	−1.10	0.56	16	.....	9	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	47.0	−4.7	75	1	19	21	2.67	−1.37	1.35	17	2.0	9	13	9	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	.....	.....	.....	.....	.....	.....	1.60	−1.82	0.80	16	.....	7	15	3	13	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	51.9	.....	84	13	31	21	2.30	−2.05	0.50	15	.....	9	.....	.....	.....	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	2.48	−0.38	1.48	16	.....	8	.....	.....	.....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	37	45.4	−3.6	74	9	22	6	2.25	−1.64	0.60	16	T.	10	14	2	15	w.	Hopemont Sanitarium
Thomas	Tucker	2,950	13	.....	.....	.....	.....	.....	.....	1.21	−3.03	0.39	17	T.	6	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	54.0	−1.4	83	22	28	5	1.96	−1.45	0.79	16	.....	12	13	6	12	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	43	49.8	−3.7	81	12†	27	5†	3.10	+0.38	1.49	16	.....	6	15	3	13	.....	George P. Pfister
West Milford	Harrison	979	17	.....	.....	.....	.....	.....	.....	2.04	−2.18	0.87	16	.....	9	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	42	54.7	−0.8	83	21	30	5†	1.85	−0.96	0.42	17	.....	10	2	19	10	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	51.8	−3.1	81	8†	33	28	2.88	+0.15	1.28	16	.....	9	13	4	14	n.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	.....	.....	.....	.....	.....	.....	1.71	−0.93	0.55	14	T.	10	16	6	9	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	53.5	−0.9	79	21	28	5	3.59	+0.61	0.81	16	T.	9	20	5	6	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	54.6	−1.1	78	21	30	18	1.84	−0.93	0.63	16	0.0	9	20	4	7	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	57.4	−1.5	87	21	36	5†	2.14	−0.90	1.00	16	0.0	6	18	2	11	.....	Arnold R. Knapp
Charleston (Airport)	Kanawha	606	5	54.5	.....	84	1†	32	23	2.33	.....	1.33	16	0.0	8	15	7	9	ne.	Civil Aero. Administration
Clay	Clay	790	44	.....	.....	.....	.....	.....	.....	2.37	−0.61	0.98	16	.....	7	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	..	47.5	.....	73	8†	24	5†	3.14	.....	1.09	16	T.	11	18	3	10	.....	Department of Justice
Flat Top	Mercer	3,270	5	49.6	.....	79	2	25	5	2.66	.....	0.96	25	1.1	8	19	4	8	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	52.9	−2.7	83	21	28	23†	2.65	−0.25	0.81	16	T.	9	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	56.0	.....	86	1	30	5†	1.65	.....	0.67	16	0.0	5	14	5	12	nw.	State Forest Nursery
Hamlin	Lincoln	641	..	54.8	.....	89	1	26	6	1.88	.....	0.81	16	0.0	7	19	2	10	w.	F. E. Brown
Hinton	Summers	1,431	43	54.6	−2.4	87	21	27	18	2.08	−0.75	0.63	16	0.0	7	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	57.8	+1.4	87	1	36	6	1.46	−1.06	0.40	16	0.0	9	15	7	9	nw.	H. N. Robinson
Kayford	Kanawha	1,335	19	.....	.....	.....	.....	.....	.....	2.55	−0.77	0.90	17	0.0	5	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	51.8	−1.4	81	21	26	5†	2.26	−0.74	0.87	28	0.0	7	19	3	9	w.	James B. Stuart
Logan	Logan	700	32	55.5	−4.6	86	1	31	18†	2.88	−0.17	1.62	16	T.	8	21	0	10	.....	Paul A. Simonds
London Locks	Kanawha	623	8	54.6	.....	76	2†	37	5†	3.29	.....	1.45	16	0.0	11	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	21	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	..	.....	.....	.....	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	51.4	.....	85	14	29	4†	2.55	.....	1.07	26	0.0	9	15	1	15	.....	M. H. Martin
Pineville	Wyoming	1,350	1	53.6	.....	84	21	28	24	2.55	.....	1.33	16	.....	7	20	5	6	.....	Charles Dameron
Point Pleasant	Mason	595	44	56.8	−0.4	85	1	34	20	1.68	−1.13	1.03	16	0.0	8	18	3	10	ne.	E. C. Winger
Rainelle	Greenbrier	2,424	12	50.6	−0.2	84	28	23	8	2.27	−0.34	0.76	16	0.1	8	17	4	10	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	53.4	−2.9	84	1†	29	19†	1.75	−1.04	1.20	16	.....	8	14	2	15	nw.	Lockmaster
Richwood	Nicholas	610	1	52.0	−0.7	83	2	27	5	2.97	+0.12	0.88	16	T.	9	18	5	8	.....	Richwood Lt. & Pwr Co.
Ripley	Jackson	2,193	12	54.4	.....	83	1	32	4†	.....	.....	.....	...	.....	..	.....	.....	.....	.....	Sattis Simmons
Ryan	Roane	700	40	51.4	−1.3	84	12†	21	5†	2.23	−0.93	0.95	16	0.0	9	17	4	10	.....	Wendell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	49.4	.....	78	21	21	5	1.45	.....	0.43	14	T.	8	17	5	9	w.	Supt., State Forest
Spencer	Roane	789	10	52.8	−2.1	84	12	28	5†	2.54	−0.62	1.41	16	.....	9	14	6	11	.....	A. M. McKown
Summersville	Nicholas	1,900	7	50.8	.....	80	12	27	5	2.67	.....	0.90	16	.....	10	14	11	6	.....	A. E. Dorsey
Sutton	Braxton	850	39	54.8	−1.9	83	12†	31	6†	2.09	−0.90	0.85	16	.....	8	23	7	1	.....	C. B. Eakle
Union	Monroe	2,200	32	50.6	−3.8	81	21	25	5†	2.30	−0.43	0.83	28	0.0	7	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	11	54.4	.....	83	1	29	21	2.43	.....	1.16	16	T.	7	13	7	11	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	.....	.....	.....	.....	.....	.....	3.78	+0.97	1.13	28	.....	8	6	19	6	.....	Ashford General Hospital
Williamson	Mingo	673	35	54.5	−3.3	82	1	31	18	2.84	+0.05	1.28	16	0.0	9	20	3	8	se.	J. E. Dotson
Winfield Locks	Putnam	571	5	55.4	.....	84	1†	33	21	1.56	.....	0.87	16	0.0	10	16	5	10	ne.	Lockmaster
State averages and extremes				52.4	−2.3	89	1	19	21	2.26	−0.59	2.05	1	0.1	8	15	5	11	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for October 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	.18	.06												T.	.14	.14	.27						.10	.12	.45	.20	.10			.12	1.88
Brandywine	do	T.													.35	.15	.30						T.			.22	.28		.32				1.62
Brushy Run [2]	do	.10	.02												T.	.65	.12	.15					T.			.02	.54	.06	.09	.07			1.85
Harpers Ferry [2]	do	.40	.10													.51	.05	.35								.18	.36	1.00	.10	.45			3.50
Inwood	do	.53													.07	.30	1.17									1.00	.30	.30	.06				3.73
Kearneysville	do	.55								T.					T.	.37	1.33									.36	1.27	.03	.38				4.29
Knobly Mountain [2]†	do	.36	.05													.97	.25	.04		.06						.28	.90	.38					3.29
Martinsburg [2]	do	.45	.10													.30	.70	.70		.05						.40	.45	.60	.05	.12			3.92
McNeill†	do	.52													.45	.40	.25	T.					T.		.35	.38	.07	.21					2.63
Petersburg	do	.11													.37	.23	.35									.30	.46	.06	.08				1.96
Piedmont	do	.12													.21	.23	.50			.07						.53	.76	.17	.03		.03		2.65
Romney	do	2.05													.72	.42	.63			.03						.57	.81		.22				5.45
Spruce Knob [2]†	do	.11	.17												.09	.37	.34	.22					.26	.12		.19	.07			.32			2.26
Stony River Dam [2]†	do	.12															.24	.21					.08			.51	.33	.36	.42	.16	.20		2.63
Wardensville [2]	do	.27	.11													1.27	.63	.16		.03						.09	.58	.31	.05	.12			3.62
Northern Division																																	
Aberdeen†	West Fork	T.													.21	.08	.91	T.					T.		T.	.28	.06	T.	.11	T.	.02	.06	1.73
Belington [2]	Tygart	T.	.06	T.											.14	.24	.35	.48	T.				.04		T.	.01	.12	T.	T.	.38		.12	1.94
Benson 1	West Fork														.30	.20	1.60	.03								.18	.42		.05	.05	.05		2.88
Bens Run	Ohio														.21	.19	1.78	.04								.22	.15	.01	T.		.03		2.63
Big Skin Creek†	West Fork														.12	.22	.98	.04								.23	.10	.03	.05				1.77
Brandonville	Cheat		T.												.15	.18	.70	.36		.15				.03	.03	.52	.35	.21	.02	.05		.14	2.89
Brownsville†	West Fork														.15	.04	.73	.05	.06							.27	.07		.05				1.42
Buckhannon	Tygart	.05													.23	.30	.95	.05					.05			.20			.14	T.			1.97
Cairo	Litl.Kanawha														.10	.07	1.33	.04								.10	.19					.05	1.88
Clarksburg [2]	West Fork														.16	.11	.66	.31								.05	.35	.06	T.	.15		T.	1.85
Crawford	do														.31	.16	.94	.01					.03			.21	.06		.09		T.	.01	1.82
Creston [2]	Litl.Kanawha														*	.10	1.00	.30					.02			.08	.30	.01	.05	.05		T.	1.91
Dailey [2]†	Tygart	.02	.05												.08	.18	.36	.53	T.				.15	.05		.03	.13		.03	.22		T.	1.83
Dam 10, Mon. R. [2]†	Monongahela	T.	.04												.06	.19	.53	.26		.03				T.	T.	.29	.36	.09		T.		.03	1.88
Dam 13, O. R. [2]†	Ohio														.21	.03	1.48	.39								.36	.46	.25				.09	3.27
Dam 15, Mon. R. [2]†	Monongahela														.10	.16	.79	.32	T.						.02	.21	.33	.08				T.	2.01
Dam 19, O. R. [2]†	Ohio														.16	.08	.91	T.					T.			.08	.29	.06	.03	.01		.04	1.66
Dam 20, O. R. [2]†	do														.16	.06	1.00	.03					.04			.06	.25	T.	.05	.03		T.	1.68
Elizabeth (Dam 3) [2]	Litl.Kanawha														.23	.16	1.28									.29	.13						2.09
Elk†	West Fork														.20		.83									.27	.10				.18		1.58
Elkins [1]†	Tygart	.11													.15	.18	.56	.02	T			.02		T.	.01	.20	T.	T.	.22	.01	.06	T.	1.54
Fairmont [2]	Monongahela	T.													.17	.14	.41	.30							.04	.21	.35	.11	*	.08		.04	1.85
Glenville [2]	Litl Kanawha														.23	.21	1.46	.24					T.			.04	.58	T.	T.	T.		.12	2.88
Grafton	Tygart		.02													.29	.71	.05							.03	.18	.18	.04	.07	.01		.05	1.63
Hackers Creek †	West Fork														.08	.48	.52								.05	.33	.11	.03	.09		.05		1.74
Hall [2]	Tygart		T.												.24	.43	.47	.54					.02		T.	T.	.21	T.	T.	.32		.08	2.31
Harrison Co. Airport [2]	West Fork	T.													.20	.50	.30		.02			T.		.03	.05	.22	.05	T.	.06	T.	.05		1.48
Hastings	Ohio														.36	.16	1.61	.22	.20							28	.29	.04	.01		.03	.02	3.22
Horner	West Fork														.25	.05							.14				.15		.30		.05		0.94
Ireland	do														.16	.85	.65						.11			.25	.04		.05	.10	.05		2.26
Jane Lew	do														.23		.80	.06								.28	.13	T.	.06	.03	.06	.10	1.75
Kumbrabow St. For.† [2]	Tygart														.35	.08	.95	.01	.19				.10			.33	.04	.04	.33	.13	.04		2.59
Mannington	Monongahela		T.												.24	.46	.61	.04	T.							.33	.04	.04	.33	.13	.04		2.59
Middlebourne	Middle Is.Creek														.21	.07	1.07	.33						.01		.59	.17	.01		.01	.05		2.19
Midvale [2]†	Tygart														.19	.22	.32	.65					.05			.15	.31			.05			2.19
Morgantown	Monongahela																									.06	.19		.09	.24		.09	2.10
Mt. Clare	West Fork														.22	.12	.72	.03								.45	.11	.16			.04		1.85
New Cumberland	Ohio														.24	.01	1.50	.02	.14	.06		T.	T.	T.		.43	.46	.02			.10		2.98
New Martinsville	do														.25	.23	1.40		.02							.50	.18		T.		T.		2.58
Parkersburg [1]†	do													T.	.15	.65	.03	T.	T.			T.	T.	T.	.04	.23	.07	.01	.04		.07	T.	1.29
Parsons	Cheat		.14												.09	.04	.66						.07	.02		.15			.11	.04	.03	.01	1.36
Philippi [2]	Tygart	T.	.01												.23	.24	.56	.45					T.		T.	.07	.17	T.	T.	.26		.05	2.04
Pickens	do														.31	.05	.04	1.35					.22			.15		T.	.33	.18		.04	2.67
Roanoke	West Fork														.27	.05	.80	.07								.33	T.	.01	.07				1.60
Rockford †	do														.22	.06	.81	.03	T.						T.	.40	.05	.20	.05		.08		1.90
Rowlesburg [2]	Cheat		T.												.12	.50	.45	.40	T.	T.			T.		T.	.24	.20	.10	T.	.09		.20	2.30
Saint Marys [2]	Ohio														.10	.06	1.48	.38								.10	.25	.05				.06	2.48
Salem	West Fork														.33	.60	1.05		T.							.41		.10			.02		2.51
Shinnston	do														.15	.30	.10									.25	.10		.02		T.		0.92
Terra Alta†	Cheat	.04													.20	.40	.60							.20	.10	.30	.11		.10		.20		2.25
Thomas [2]	do															.14	.13	.39								.33	.08		.14				1.21
Valley Chapel	West Fork														.27	.10	.79	.05	.02					T.		.22	.27	.01	.08	.02	.08	.05	1.96
Valley Head [2]	Tygart		.05												.10	.39	.23	.60	T.				.05			.02	.16	.04	.09	.38		.02	2.13
Vandalia†	West Fork															.41	1.03									.24		.08					1.76
Wellsburg (near)	Ohio														.25	T.	1.49	T.	T.	.18						.48	.44	T.			.26		3.10
West Milford	West Fork														.25	.10	.87	.10								.26	.25		.15		.05	.01	2.04
Weston [2]	do														.28	.10	.40	.42					.04			.03	.32	.04	T.	.12		.10	1.85
Wheeling (Dam 12) [2]	Ohio														.25	.03	1.28	.30		.02						.26	.46	.18				.10	2.88
Southern Division																																	
Arbovale [2]	Greenbrier	T.													.55	.11	.32	T.					.05			.17	.01	.02	.40	.01		.07	1.71
Beckley	New														.72	.49	.81	.09								.55	.78	.03	.08	.04			3.59
Bluefield	New														.12	.12	.63	.10								.15	.54	.05	.09	.04			1.84
Camden-on-Gauley [2]	Gauley														.30	.24	.62	.32								.06	.15		.14	.22		.15	2.20
Charleston	Gr. Kanawha														.30	.46	1.00	T.								.13	.17		.08		T.		2.14
Charleston (Airport) [4]	do														.25	1.26	.15					T.			T.	.29	.02	.08	.11			.17	2.33
Clay [2]	Elk														.20	.15	.98	.35					.01			.04	.64		T	T.			2.37
Flat Top [4]	New														.59	.29	.34	.01								.96	.06	.04	.37				2.66
Gary [2]	Big Sandy														.06	.53	.81	.23								.05	.74	.04	.15	.04			2.65
Greenbottom [2]†	Ohio														.36	.42	.67									.10	.10	T.	T.				1.65
Hinton [2]	New														.16	.20	.63	T.								.08	.45		.53	.03			2.08
Hogsett [2]	Ohio														.21	.08	.95	.02								.08	.23	T.	T				1.57
Huntington	do														.28	.38	.40					.02	T.		.03	.24	.06	.01	.04				1.46
Kayford [2]	Gr. Kanawha														T.	.71	.20	.90									.65		.09			T.	2.55
Lewisburg	Greenbrier														.34	.05	.82	.02								.10	.06		.87				2.26
Logan [2]	Guyandot														.17	.42	1.62	.19								.02	.30	T.	.10	.06			2.88
London Locks [2]†	Gr. Kanawha														.16	.16	1.45	.42	T.				.03			.02	.89	.03	.05	.06		.02	3.29
Madison [2]	Coal																																
Oak Hill	New														.10	.30	.72	.18								.07	1.07	.01	.06	.04			2.55
Pineville	Gr. Kanawha														.07		1.33	.35								.07	.38		.24	.11			2.55
Point Pleasant [2]	Ohio														.20	T.	1.03						.01			.10	.19	.07	.06			.02	1.68
Princeton [2]	New														.09	.22	.46	.05	T.							.01	.64	.05	.14	.03			1.69
Rainelle	Greenbrier														.25	.65	.76	.04					T.			.12	.05		.35	.05			2.27
Ravenswood [2]	Ohio															.04	1.20	.08					.05			.10	.18		.05	.05		T.	1.75
Richwood [2]	Gauley														.31	.27	.88	.50	T.							.15	.09		.40	.12		.25	2.97

Continued on next page.

Daily Precipitation for October 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha														.12	.37	.95	.05								.12	.26	.03	.07		.26		2.23
Seneca State Forest†	Greenbrier														.43	.22		T.								.24	.19	.04	.20	.06		.07	1.45
Spencer[2]	Litl.Kanawha														.11	.13	1.41	.26					T.			.05	.38	.03	.07	.10			2.54
Summersville[2]	Gauley														.25	.40	.90	.25								.05	.45	.07	.10	.05		.15	2.67
Sutton	Elk														.25	.08	.85	.14								.35	.25		.08				2.09
Thornwood[2]	Greenbrier	.01													.49	.20	.45	.02															
Union[2]	New														.05	.35	.15	.58								.04			.83	.30			2.30
Wayne[2]	Twelvepole														.17	.14	.50	T.									.39	.05	.03	.07			1.35
Webster Springs	Elk														.24	.02	1.16	.26					T.			.24	.19		.32				2.43
White Sulp'r Spgs.[2]	Greenbrier														.31	.14	.49	.10								.11		.50	1.13	1.00			3.78
Williamson[2]	Big Sandy														.22	.55	1.28	.14								.01	.59	.03	.06	.05			2.84
Winfield Locks[2]†	Gr. Kanawha									T.					.09	.08	.87	.02					.01			.03	.27		.09	.07		.03	1.56

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage *Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for October 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	59	61	64	58	60	70	70	78	71	65	65	75	74	63	68	55	37	52	52	56	75	51	43	45	*40*	41	46	40	58	57	65	58.5
	Minimum	35	47	32	20	20	22	22	25	28	34	34	27	24	24	51	*37*	31	31	31	35	21	22	40	40	37	34	35	30	35	38	46	31.9
Beckley	Maximum	74	72	67	58	63	71	74	77	73	72	76	77	75	69	72	66	63	66	67	70	79	73	65	65	54	48	45	44	64	67	74	67.1
	Minimum	40	40	45	39	28	30	36	34	43	40	44	43	46	55	56	36	32	30	48	30	40	48	36	32	43	37	40	37	34	44	50	39.9
Bluefield	Maximum	76	75	74	*62*	64	68	73	74	74	*71*	72	74	72	69	69	67	*59*	54	67	72	78	75	59	66	*53*	45	50	48	58	64	72	66.3
	Minimum	45	45	*49*	37	32	33	40	49	46	44	*45*	42	49	58	56	39	*33*	30	46	42	44	49	37	36	*45*	40	42	37	35	56	*53*	42.8
Brandywine	Maximum	70	75	76	70	65	76	79	81	82	74	68	78	75	65	70	60	52	57	64	67	78	65	56	62	54	50	55	47	61	74	72	67.0
	Minimum	53	42	40	35	22	23	28	28	35	32	34	29	30	40	42	45	28	24	27	25	24	35	34	42	39	36	40	35	40	36	35	34.1
Buckhannon	Maximum	71	64	62	60	58	65	60	72	71	69	70	70	75	70	69	46	45	58	58	56	73	70	55	56	49	49	49	48	50	60	68	61.2
	Minimum	49	44	39	35	27	28	38	30	38	36	52	54	36	56	54	36	35	33	41	31	31	50	45	46	41	41	41	36	38	46	48	40.5
Cairo	Maximum	85	83	76	67	65	71	79	80	83	79	78	82	84	81	64	60	42	59	65	63	80	82	60	53	53	51	48	49	68	67	61	68.3
	Minimum	40	42	38	32	28	28	30	34	39	36	35	36	36	57	55	40	35	30	31	28	31	49	45	47	45	43	42	39	36	45	48	38.7
Charleston (Airport)	Maximum	84	73	70	63	67	75	78	82	79	78	83	84	83	70	65	55	49	66	68	71	83	66	62	58	48	53	50	48	68	69	79	68.6
	Minimum	44	43	44	34	33	33	36	37	44	39	41	43	45	56	55	39	33	33	34	33	36	36	32	37	46	44	42	42	35	54	49	40.4
Clarksburg[3]	Maximum	72	69	68	58	62	69	72	77	75	70	76	78	79	64	64	*58*	43	61	57	60	77	59	50	51	48	47	49	45	63	63	71	62.9
	Minimum	43	46	41	33	30	30	30	30	35	36	36	35	35	35	56	*39*	37	35	36	31	31	32	48	45	44	43	44	36	42	42	46	38.0
Elkins	Maximum	60	62	60	54	58	69	69	75	71	69	72	76	73	64	70	58	38	56	56	57	76	58	48	49	47	48	47	40	60	61	66	60.2
	Minimum	52	50	41	33	29	28	30	32	36	36	35	34	34	56	55	36	34	35	35	33	30	48	43	43	42	40	35	35	39	49	49	38.9
Fairmont[3]	Maximum	70	70	65	62	67	73	78	81	81	74	81	81	85	65	68	54	43	60	60	64	80	58	49	52	46	45	49	46	65	60	68	64.5
	Minimum	50	51	41	36	34	32	33	39	41	40	40	39	39	42	*50*	*43*	36	33	39	35	33	34	47	45	44	42	40	40	42	46	43	40.3
Flat Top	Maximum	71	79	61	60	59	67	71	74	68	70	67	71	68	64	64	48	37	54	64	65	76	56	55	64	46	42	47	39	57	63	68	61.1
	Minimum	44	51	44	37	25	28	32	33	41	40	42	34	42	53	48	31	27	26	43	43	39	42	34	28	39	38	37	32	32	47	48	38.2
Gary[3]	Maximum	79	81	*71*	65	68	74	77	79	75	76	79	80	80	72	75	*61*	*51*	63	71	76	83	63	62	68	50	50	49	45	65	71	76	68.9
	Minimum	41	42	*42*	38	32	31	31	33	33	36	38	38	39	40	56	47	35	29	29	33	33	40	28	28	39	45	44	41	32	32	38	36.9
Glenville	Maximum	84	83	71	70	69	78	79	83	80	78	83	86	84	74	64	63	45	64	65	68	85	79	59	55	54	54	50	49	67	64	70	69.6
	Minimum	44	42	40	34	32	31	31	34	41	36	40	36	37	58	58	41	39	35	32	32	33	53	46	45	44	43	42	40	38	49	45	40.1
Grafton	Maximum	81	67	66	65	64	72	72	80	80	77	77	80	82	82	73	73	49	58	59	59	76	75	58	51	52	47	49	50	63	63	68	65.7
	Minimum	45	47	35	27	24	24	25	30	32	31	34	33	32	52	50	42	31	31	37	26	25	48	40	39	38	36	34	30	36	47	40	35.5
Huntington	Maximum	87	77	73	67	71	77	81	83	83	82	86	85	85	80	65	58	53	68	73	72	85	71	66	60	52	51	50	50	70	69	81	71.3
	Minimum	51	49	48	40	36	36	40	42	49	43	44	45	46	60	55	43	37	37	40	37	40	54	37	40	45	44	44	44	39	55	50	44.2
Lewisburg	Maximum	77	80	72	66	68	74	78	79	75	76	71	77	73	64	69	69	45	59	66	72	81	67	56	64	59	47	54	45	63	69	72	67.3
	Minimum	43	38	43	28	26	26	29	28	35	30	38	32	35	55	52	38	35	27	44	34	30	50	35	27	43	41	42	36	31	32	40	36.2
Logan[3]	Maximum	86	77	71	67	69	77	81	82	81	82	84	82	85	66	69	*60*	*49*	66	75	75	84	69	67	63	52	53	50	48	69	71	80	70 6
	Minimum	45	45	45	41	37	35	35	38	38	41	41	41	43	43	60	49	39	31	31	38	38	43	33	33	33	41	45	43	38	38	50	40.4
Madison[3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Mannington	Maximum	74	72	67	59	64	72	73	79	76	74	78	80	80	75	61	59	43	60	61	63	78	69	54	52	51	45	48	48	66	62	68	64.9
	Minimum	45	44	35	32	25	25	28	31	35	34	32	31	32	56	53	40	36	29	40	30	27	53	46	44	44	42	38	34	39	52	40	37.8
Martinsburg[3]	Maximum	67	77	66	65	68	71	80	81	83	65	66	70	70	68	75	70	*60*	56	52	62	68	70	57	58	50	47	60	52	68	74	58	65.6
	Minimum	57	57	49	43	35	37	37	39	42	47	37	36	37	37	60	60	42	36	37	42	35	50	52	47	43	40	42	45	45	48	44	43.8
New Martinsville	Maximum	81	79	71	61	66	74	75	81	80	72	80	84	81	70	59	55	45	62	62	63	80	64	55	55	54	46	50	47	68	58	80	66.4
	Minimum	48	47	42	38	36	35	36	41	41	40	40	40	40	55	52	40	37	32	38	33	35	53	48	46	42	42	42	39	42	42	53	41.8
Parkersburg	Maximum	82	74	64	61	64	71	77	79	77	72	80	82	79	70	60	54	47	66	60	63	80	60	54	53	47	47	47	48	67	64	75	65.3
	Minimum	46	50	47	40	35	35	37	42	45	44	42	46	51	54	50	40	39	36	36	32	40	52	45	46	44	42	42	42	43	53	48	43.4
Pickens	Maximum	75	65	56	61	59	54	65	78	61	65	71	73	66	65	62	65	60	59	65	63	70	54	50	48	47	44	45	35	55	47	60	59.5
	Minimum	42	38	35	40	30	24	24	31	40	34	36	37	45	50	45	46	29	28	30	22	19	42	30	33	33	33	29	28	41	37	34	34.5
Point Pleasant	Maximum	85	81	75	66	63	70	75	78	80	76	79	80	81	81	67	58	58	65	65	65	77	77	63	55	55	50	49	48	66	66	77	68.7
	Minimum	48	50	47	41	38	37	41	43	50	49	45	47	48	60	50	50	38	39	36	34	39	54	44	41	45	44	43	43	42	55	51	44.9
Rainelle	Maximum	74	74	66	61	65	75	75	79	73	74	71	75	72	65	66	64	42	58	64	69	80	77	55	64	52	45	49	84	62	64	72	66.6
	Minimum	38	37	42	33	26	24	24	23	35	32	37	34	31	54	55	35	32	26	27	29	28	46	34	29	42	41	39	36	29	32	42	34.6
Ravenswood	Maximum	84	70	67	68	66	71	76	79	76	72	76	83	84	64	58	64	45	65	64	66	79	62	65	54	54	49	48	49	67	57	65	66.0
	Minimum	42	41	43	36	30	30	33	36	44	36	37	37	42	53	51	40	37	36	29	29	34	51	43	42	44	42	40	44	36	52	42	39.7
Romney	Maximum	75	73	73	66	70	72	80	84	81	68	64	76	76	73	75	70	51	58	59	63	71	64	57	53	51	45	57	51	67	70	65	66.4
	Minimum	61	36	30	26	*40*	*34*	*33*	*38*	*45*	41	*44*	*38*	*36*	*46*	*51*	47	41	32	42	41	29	47	50	47	41	40	42	38	46	56	46	41.5
Spencer[3]	Maximum	82	72	67	63	68	74	78	80	79	77	80	84	82	63	62	51	45	64	65	66	81	65	55	57	48	53	50	47	67	66	76	66.7
	Minimum	39	41	41	33	28	28	31	34	44	37	37	38	43	50	*45*	*45*	37	35	30	48	30	50	41	36	39	33	40	40	38	44	48	38.8
Sutton	Maximum	79	79	72	67	66	73	78	79	79	77	78	83	83	78	72	72	55	64	65	67	81	81	62	58	57	56	56	55	66	66	75	70.3
	Minimum	46	45	45	36	32	31	33	34	38	36	39	37	37	52	53	40	38	34	32	31	31	50	41	37	41	42	43	38	35	40	50	39.3
Wardensville[3]	Maximum	64	70	65	60	65	70	74	79	82	61	59	72	73	66	72	67	50	61	55	62	75	78	*62*	64	46	45	53	50	66	74	*68*	64.7
	Minimum	47	51	38	36	26	27	29	30	33	36	38	30	30	51	58	50	39	26	40	32	27	40	*40*	44	41	39	40	35	43	38	48	38.1
Weston	Maximum	75	70	68	62	65	73	78	80	80	75	80	82	81	65	68	*59*	*52*	62	64	65	83	65	*55*	55	52	50	52	44	65	64	75	66.6
	Minimum	50	50	45	38	30	30	31	35	40	38	38	38	39	60	59	52	41	37	43	34	31	55	50	45	44	43	40	42	41	60	49	42.8
Wheeling[3]	Maximum	80	74	62	60	65	73	77	81	81	71	77	84	81	68	56	53	44	54	51	62	75	54	52	54	45	50	47	51	65	62	67	63.7
	Minimum	47	49	40	39	35	35	38	38	43	43	38	41	42	44	44	*38*	38	37	39	38	34	35	47	45	42	39	37	33	34	43	40	39.8
Williamson[3]	Maximum	82	77	70	64	67	71	75	78	78	79	80	80	81	66	67	*56*	45	62	72	75	80	65	65	62	50	49	49	49	67	71	77	68.0
	Minimum	48	47	48	40	37	36	37	38	38	43	41	41	44	45	*56*	*45*	38	31	32	40	40	45	34	33	43	44	44	43	36	36	47	41.0

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.062	.144	.046	.077	.166	.004	.066	.048	.079	.070	.044	.041	.055	.083	.004	.054	.054	.022	.143	.092	.026	.074	.140	.000	.029	.047	.064	.030	.014	.196	.035	1.910
	Wind movement	20	8	12	26	36	17	9	14	7	37	7	10	9	32	18	25	154	114	131	47	21	45	121	35	37	69	54	17	98	99	66	1,395
Wardensville	Evaporation	...	.031	.103	.198	.138	.148	.082	.145	.120	.161	.134	.073	.082	.198	.014	.073	.211	.128	.105	.142	.089	.054	*	*	.296	.066	.105	.010	.045	.143	.153	3.143
	Wind movement	67	21	30	71	55	27	16	21	12	37	54	24	27	79	23	37	105	80	87	52	24	37	*	*	167	98	35	13	74	68	76	1,517

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

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UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

JAN 1 1 1944
UNIVERSITY OF ILLINOIS

S. S. SCHWORM

VOL. LI PARKERSBURG, W. VA., NOVEMBER 1943 No. 11

GENERAL SUMMARY

This has been the coldest and driest November since 1939. All but two stations reported minus departures in temperature. The month began with maximum temperatures close to 80° and ended with minimum temperatures around 20° in most places. The warm periods were 1st–2d, 6–8th, and 19th–22d, while the cold periods were 11–14th, 17–18th, and 28th–31st. No zero temperatures were reported.

Precipitation averaged 2.12 inches, which was 0.62 inch below normal. With the exception of a few scattered stations in the northeastern panhandle and the central part of the northern division which had small plus departures, most places reported small to considerable precipitation deficiencies. The northeastern panhandle and the northern division had 80%, while the southern division had 74%, and the State, 77% of the normal amount of precipitation. Practically all the precipitation fell in the first 16 days of the month. Measurable snow fell at most stations on the 10–11th. The greatest 24-hour snowfall was 8.0 inches at Benson on the 11th. The greatest number of snow-lying days was 9 at Spruce Knob. No damage from storm or flood was reported.

It was a good month for corn husking and other outdoor work. However, dry weather the last half of the month was not helpful to pastures and winter grains. Forest fire hazard was increasing, while wells and streams were becoming critically low at the close of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 41.1°, or 2.1° below the normal. The mean for the northeastern panhandle division was 41.6°; for the northern division, 40.0°; and for the southern division, 41.8°. The highest monthly mean was 45.6° at Charleston and Huntington, and the lowest, 33.1° at Pickens. The highest temperature was 83° at Charleston and Huntington on the 1st, and the lowest, 2° at Thornwood (Fire-Weather Station) on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 2.12 inches, or 0.62 inch below normal. In the northeastern panhandle division the average was 1.73 inches; in the northern division, 2.37 inches; and in the southern division, 1.98 inches. The greatest monthly precipitation was 4.40 inches at Cranberry Glades, and the least, 0.47 inch at Brandywine. The greatest amount in any 24 consecutive hours was 2.31 inches at Cranberry Glades on the 8th. The average monthly snowfall was 2.3 inches, or 0.1 inch below normal. The greatest monthly snowfall was 11.0 inches at Spruce Knob. The average number of days with .01 inch or more of precipitation was 7.

ERRATA

OCTOBER 1943.—Page 38: Brandonville, mean temperature, 47.0; London Locks, lowest temperature, 35 on 18th; Pickens, highest temperature, 78 on 8th; Ripley, lowest temperature, 30 on 20th; Seneca State Forest, mean temperature, 48.8.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	4	2	1	4	9	16	2	2	..	..	..	1	1	..	1	1	..	1	1	15	17	2	1	7	16	10	3	10	9	6	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	..	1	..	..	..	4	1	3	2	1	1	6	2	3	..	..	..	..	..	5	3	1	2	..	..	1	..	1	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	1	..	..	..	2	1	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Thunderstorms	12	11	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	2	20	8	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level) Highest	Date	Lowest	Date	Wind Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine	Degree days
Cincinnati, Ohio	30.62	24	29.69	7	8.0	21	s.	7	81	52	63	57	679
Columbus, Ohio	30.59	23	29.72	8	10.0	29	sw.	8	80	54	64	42	684
Elkins	30.56	24	29.79	8	6.2	21	sw.	27	85	56	72	47	770
Huntington Airp't	30.60	24	29.77	8	.....	26	sw.	5	83	51	70	....	686
Parkersburg	30.57	24	29.76	8	6.1	25	nw.	21	81	52	66	40	682
Pittsburgh, Pa	30.48	25	29.79	8	10.8	32	nw.	13	79	56	63	36	765

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature Mean	Maximum	Minimum	Precipitation (inches) Average Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	.....	8	..	..	..
1892	41.7	81	3	2.64	5.59	2.79	3.10	.....	..	..	..	..
1893	41.4	74	3	2.44	2.27	1.77	2.12	.. ...	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	.....	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	.....	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	.....	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	.....	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	.....	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37.3	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1.84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	73	0	.36	.87	1.06	.89	1.5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.66	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3.10	2.41	3.25	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
1941	44.3	80	6	2.31	2.40	2.17	2.31	.2	7	14	6	10
1942	44.7	80	9	2.12	4.49	3.65	3.81	.2	12	8	8	14
1943	41.1	83	2	1.73	2.37	1.98	2.12	2.3	7	11	8	11
Period	43.2	88	−14	2.17	2.97	2.66	2.74	2.4	9	11	6	13

Climatological Data for November 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days					Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of the wind	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	35.8	−3.3	73	1	8	29†	2.18	−0.82	0.90	3	5.0	9	12	4	14	w.	Lewis T. Clark
Berkeley Sprgs. 3 mi. NE	Morgan	780	1	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	..	.....	.....	.....	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	41.2	−0.8	74	1	11	23†	0.47	−1.31	0.32	8	1.0	3	20	3	7	n.	E. L. Kelster
Harpers Ferry	Jefferson	400	43	.....	.....	.....	.....	.....	.....	3.89	+1.70	2.15	9	.....	7	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	44.2	.....	72	19	15	29	2.42	.....	1.17	2	.....	3	16	6	8	w.	University Exper. Station
Kearneysville	Jefferson	548	13	43.2	−1.8	73	19	17	29	2.31	−0.29	1.23	3	T.	5	7	15	8	w.	H. W. Prettyman
Martinsburg	Berkeley	435	43	42.8	−0.4	72	19	20	29	2.31	+0.06	....	..	T.	6	.....	.....	.....	w.	Dr. H. S. Gardner
McNeill, 2 miles NE	Hardy	800	47	41.2	−1.1	73	8	11	29	1.15	−0.40	0.48	3	2.0	4	8	6	16	w.	R. E. Saville
Piedmont	Mineral	1,053	27	40.8	−1.4	68	7	16	29	1.78	−0.11	0.55	8	1.0	6	11	8	11	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	43.4	+0.3	73	8	16	29	1.23	−0.55	0.38	3	.....	5	9	6	15	.....	Miss Anna Lee Kelster
Stony River Dam	Grant	3,300	23	.....	.....	.....	.....	.....	.....	1.82	−1.13	0.58	3	3.0	6	5	6	19	.....	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	21	40.2	−3.7	73	19	14	29	1.81	+0.18	0.67	3	2.5	6	.....	.....	.....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	18	.....	.....	.....	.....	.....	.....	2.94	−0.40	0.76	2	4.0	9	2	13	15	w.	L. Esle Bond
Benson	Harrison	1,080	18	39.8	−3.3	80	1	14	29	2.29	−1.20	0.96	2	8.0	10	7	13	10	.....	R. D. Marts
Bens Run	Pleasants	652	42	42.5	−1.6	78	1	19	29	1.66	−1.23	0.70	16	3.0	4	12	7	11	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	36.7	.....	75	1	12	29	2.72	.....	0.88	3	3.5	7	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	19	42.5	−2.1	80	1	13	14†	2.67	−1.00	1.03	2	5.0	8	12	5	13	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	40.5	−1.7	74	1	15	14†	3.66	+0.56	1.05	2	4.0	8	13	5	12	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	34	41.5	−2.2	79	1	14	14†	1.86	−1.02	0.65	2	0.5	8	7	8	15	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	37.6	−5.2	77	1	15	14†	2.26	−0.93	1.25	2	1.5	7	15	3	12	w.	Clarksburg Water Board
Creston	Wirt	640	42	42.6	−1.6	82	1	14	29	1.66	−1.09	0.90	3	2.0	7	7	11	12	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	.....	.....	.....	.....	.....	.....	1.87	−1.28	0.89	3	0.5	12	.....	.....	.....	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	.....	.....	.....	.....	.....	.....	1.74	−0.64	0.59	3	.....	9	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	.....	.....	.....	.....	.....	.....	2.19	−1.10	0.94	3	1.0	9	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	26	.....	.....	.....	.....	.....	.....	1.13	−1.51	0.42	16	1.0	6	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	25	.....	.....	.....	.....	.....	.....	1.75	−0.85	0.63	3	2.0	8	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	32	.....	.....	.....	.....	.....	.....	1.64	−0.90	0.67	2	1.0	5	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	44	39.4	−0.9	72	1	16	29	2.47	−0.31	1.02	3	4.1	10	4	8	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	40.6	−2.3	81	1	18	14†	1.95	−0.81	0.80	3	1.1	11	9	4	17	w.	J. C. Robinson
Glenville	Gilmer	738	55	43.8	−0.5	81	1	15	29	2.84	−0.21	1.17	3	2.0	8	7	15	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	39.6	−3.5	80	1†	11	14	2.60	+0.17	1.42	2	1.1	10	13	5	12	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	3	40.0	.....	78	1	16	29	2.31	.....	1.30	2	2.2	12	4	13	13	sw.	U. S. Airway Station
Hastings	Wetzel	809	8	.....	.....	.....	.....	.....	.....	2.45	.....	1.11	2	T.	7	10	11	9	w.	L. G. Mclutyre
Jane Lew	Lewis	1,020	19	.....	.....	.....	.....	.....	.....	3.04	−0.28	1.23	2	5.5	10	.....	.....	.....	.....	Mrs. U. I. Jenkins
Maunington, 1½ mi. NW	Marion	974	41	39.8	−2.2	78	1	11	29	2.54	−0.50	1.26	2	2.3	10	9	5	16	.....	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	2	39.4	.....	79	1	12	29	1.82	.....	0.60	16	0.5	6	6	7	17	w.	L. A. Crumrine
Morgantown, 3 miles N	Monongalia	1,300	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	..	.....	.....	.....	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	40.9	−0.7	77	1	16	30	1.68	−0.64	0.47	2	0.6	8	5	6	19	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	41.6	−3.2	76	7	17	14†	1.59	−1.25	0.60	2	1.0	6	9	11	10	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	42.4	−1.4	79	1	19	14	1.23	−1.34	0.50	16	3.2	8	10	6	14	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	38.8	−2.4	80	1	12	14	2.65	−0.28	1.30	2	4.0	8	.....	.....	.....	.....	D. A. Oliver
Philippi	Barbour	1,300	43	.....	.....	.....	.....	.....	.....	3.33	+0.40	1.71	3	5.8	11	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	33.1	−7.3	65	7	5	14	2.44	−1.78	0.84	2	10.5	9	8	10	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	.....	.....	.....	.....	.....	.....	2.39	−0.98	0.93	2	1.5	8	.....	.....	.....	.....	Miss Mary A. Courad
Rowlesburg	Preston	1,375	44	40.3	.....	78	1	18	29	2.99	−0.56	1.33	3	3.0	9	12	1	17	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	1.72	−1.08	0.64	16	0.5	6	.....	.....	.....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	37	36.8	−3.8	70	1	14	28	....	.....	....	..	.....	..	9	12	9	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	13	.....	.....	.....	.....	.....	.....	3.41	+0.42	1.50	3	9.0	12	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	42.2	−2.8	80	1	14	14	2.80	−0.47	1.42	2	5.0	8	12	8	10	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	43	39.3	−2.5	77	1	14	28†	1.26	−1.31	0.55	16	T	5	9	6	15	.....	George P. Pfister
West Milford	Harrison	979	17	.....	.....	.....	.....	.....	.....	2.61	−1.00	0.97	2	4.0	9	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	42	41.4	−2.6	80	1	18	14†	3.14	+0.20	1.78	2	3.6	12	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	39.6	−2.6	78	1	20	29†	1.45	−0.98	0.58	16	1.0	10	7	5	18	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	18	.....	.....	.....	.....	.....	.....	1.86	−1.22	0.66	8	7.0	6	11	9	10	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	43.0	−0.3	71	1	15	12	1.80	−0.79	0.69	8	1.8	7	14	11	5	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	44.4	−0.5	70	1†	22	24	1.96	−0.09	1.02	8	1.5	8	14	5	11	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	45.6	−2.3	83	1	21	29	2.08	−0.99	1.16	2	T.	5	16	5	9	.....	Tom Miller
Charleston (Airport)	Kanawha	606	5	41.6	.....	80	1	17	14	1.70	.....	0.99	2	0.4	9	5	12	13	n.	Civil Aero. Administration
Clay	Clay	790	44	.....	.....	.....	.....	.....	.....	1.94	−0.96	1.02	3	0.2	9	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	..	35.8	.....	63	1†	7	12	4.40	.....	2.31	8	5.3	11	9	11	10	uw.	Department of Justice
Flat Top	Mercer	3,270	5	37.6	.....	67	19	11	12	2.35	.....	0.96	2	1.8	8	13	9	8	sw.	U. S. Airway Station
Gary	McDowell	1,426	26	42.1	−2.9	76	1†	18	24†	1.56	−1.14	0.76	3	T.	5	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	44.0	.....	79	1	17	29	1.79	.....	1.20	2	.. ..	4	13	7	10	w.	State Forest Nursery
Hamlin	Lincoln	641	..	44.4	.....	82	1†	15	29	2.01	.....	0.84	2	T.	4	11	11	8	w.	F. E. Brown
Hinton	Summers	1,431	43	42.9	−1.2	78	6	16	29	1.80	−0.61	0.70	3	0.2	6	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	45.6	+1.3	83	1	20	29	1.31	−1.21	0.63	2	T.	6	6	11	13	sw.	H. N. Robinson
Kayford	Kanawha	1,335	19	.....	.....	.....	.....	.....	.....	1.98	−1.17	1.10	3	3.0	8	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	39.9	−2.0	71	1	13	23†	1.70	−0.78	0.71	3	0.2	7	10	12	8	.....	James B. Stuart
Logan	Logan	700	32	44.4	−2.9	81	1	22	29†	1.63	−1.60	0.85	3	T.	7	10	9	11	.....	Paul A. Simouds
London Locks	Kanawha	623	8	.....	.....	.....	.....	.....	.....	1.94	.....	0.98	3	.....	7	.....	.....	.....	n.	Lockmaster
Madison	Boone	675	21	41.5	−2.0	79	1	16	29	2.20	−0.45	1.21	3	.....	8	10	17	3	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	39.6	.....	72	1	18	11	1.90	.....	0.82	3	0.5	8	.....	.....	.....	.....	M. H. Martin
Pineville	Wyoming	1,350	1	42.8	.....	76	6	13	25	2.17	.....	1.42	3	T.	5	19	8	3	.....	Charles Dameron
Point Pleasant	Mason	595	44	44.4	−0.9	77	1†	19	28	1.26	−1.57	0.56	3	T.	8	12	1	17	w.	E. C. Winger
Rainelle	Greenbrier	2,424	12	38.4	−1.9	69	6	8	12	2.71	−0.28	1.02	8	4.0	10	12	4	14	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	41.0	−4.7	77	1	15	14†	1.37	−1.35	....	..	.....	6	10	7	13	nw.	Lockmaster
Richwood	Nicholas	610	1	40.6	−1.8	73	1	16	12†	2.50	−0.39	1.14	3	4.0	7	15	4	11	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	12	42.8	.....	79	1	20	28	....	.....	....	..	.....	..	.....	.....	.....	.....	Sattis Simmons
Ryan	Roane	700	40	40.4	−3.0	80	1	12	29	0.87	−2.00	0.37	8	0.6	7	11	13	6	.....	Weudell C. Ryan
Seneca State Forest	Pocahontas	2,650	4	37.9	.....	78	1	7	23	2.02	.....	1.15	8	0.5	4	17	3	10	sw.	Supt., State Forest
Spencer	Roane	789	40	40.8	−3.3	80	1	15	14†	2.28	−0.39	1.13	3	1.5	7	6	12	12	.....	A. M. McKown
Summersville	Nicholas	1,900	7	40.2	.....	74	1	13	29	2.33	.....	0.98	3	2.0	7	7	15	8	.....	A. E. Dorsey
Sutton	Braxton	850	39	43.2	−0.8	76	1†	16	14†	2.48	−0.72	1.37	2	2.0	8	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	32	39.1	−3.3	73	1	13	28†	1.68	−0.66	0.99	3	.....	3	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	11	45.2	.....	75	1	18	14	2.69	.....	0.84	8	3.0	5	9	11	10	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	.....	.....	.....	.....	.....	.....	1.91	−0.37	0.88	8	.....	5	11	9	10	.....	Ashford General Hospital
Williamson	Mingo	673	35	43.8	−1.8	78	1	24	12†	1.63	−1.19	0.80	3	T.	5	14	4	12	se.	J. E. Dotson
Winfield Locks	Putnam	571	5	43.1	.....	79	1	20	15†	1.91	.....	1.14	2	T.	7	11	8	11	nw.	Lockmaster
State averages and	extremes	.....	.....	41.1	−2.1	83	1	2	12	2.12	−0.62	2.31	8	2.3	7	11	8	11	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for November 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac		.18	.90					.22	.32	T	.25		.06	.01	.02							.22										2.18
Brandywine	do								.32	.05		.10																					.47
Brushy Run [2]	do		.02	.43		.01			.14	.20		.05		.10																			1.22
Harpers Ferry [2]	do			1.05		.02			.23	2.15		.03	.01										.27								T.		3.89
Inwood	do		1.17	T.					1.15	T.	T.												.40										2.42
Kearneysville	do		.28	.95					.37	.46		T.											.10										2.31
Knobly Mountain [2]†	do			.38					.42	.38	T.	T.		T.									.25										1.45
Martinsburg [2]	do		•	1.00					.35	.60		.01			T.	T.							.27										2.31
McNeill †	do		T.	.48					.33			.12		T.			T.						.35										1.15
Petersburg	do		•	.41					.23			.02		.05									.22										.90
Piedmont	do		.19	.32					.55	.43		.05											.19										1.78
Romney	do			.38					.30	.23		.07											.24										1.23
Spruce Knob [2]†	do		.03	.84			T.		.23	.91	.04	.37	.05	.11	T.		T.						.25										2.80
Stony River Dam [2] †	do			.58					.30	.44	.06			.15									.22								T.		1.82
Wardensville [2]	do			.67					.17	.47		.10		.04									.36										1.81
Northern Division																																	
Aberdeen†	West Fork		.76	.70		T.	.01		.45	.11	T.	.38		.02			.32						.19										2.94
Belington [2]	Tygart		.06	1.10			T.		.03	.72	.04	.35	.06	.04	T.		.23	.03	T.				.29										2.95
Benson †	West Fork		.96	.42					.20	.12	.02	.20	.02	.05			.25						.05										2.29
Bens Run	Ohio		.07	.59		.03			.27			.20				T.	.70																1.66
Big Skin Creek†	West Fork		1.38	.10					.45	.02							.27						.11		T.			T.					2.33
Brandonville	Cheat	T.	.38	.88				.07	.43	T.	.18	T.		T.	T	T.	.61	T.					.17										2.72
Brownsville †	West Fork		1.03	.54					.40	.05	.02	.23					.26						.14										2.67
Buckhannon	Tygart		1.05	.65					1.00	.10	.05	.36					.25						.20										3.66
Cairo	Litl.Kanawha	.11	.65	.04					.23			.25		.04			.53						.01										1.86
Clarksburg [2]	West Fork		.18	1.07					.20	.35	T	.14					.17						.15										2.26
Crawford	do		.49	.68		T.			.63	T.	T.	.17		.05			.29						.24										2.55
Creston [2]	Litl.Kanawha		.11	.90		T.	.04		T.	.20	T.	.10	T.				.30	T.					.01										1.66
Dailey [2]†	Tygart		.02	.86			T.		.01	.61	T.	.20	.05	.13	T.		.07	T.					.31								T.		2.26
Dam 10, Mon. R. [2]†	Monongahela		.08	.89			.01		.04	.22	.05	.08	.02	.03	T.	T.	.37	.01					.07										1.87
Dam 13, O. R. [2]†	Ohio	.01	.15	.59			.03		T.	.22		.03		.05		.11	.55																1.74
Dam 15, Mon. R. [2]†	Monongahela		.47	.94			T.		.09	.21	T.	.10	.02	.10	T.		.23	T.	T				.03										2.19
Dam 19, O. R. [2]†	Ohio		.23	.11					.01	.26	T.	.10		T.		T.	.42	T.															1.13
Dam 20, O. R. [2]†	do	.08	.16	.63			.03		.03	.28	T.	.10	T.			T.	.44	T.															1.75
Elizabeth (Dam 3) [2]	Litl.Kanawha		.67	.10					.26			.10					.51																1.64
Elk †	West Fork		1.30	.44			.08		.44			.40					.28																2.94
Elkins [1] †	Tygart		1.02	T.		.01		T.	.52	.01	.08	.28	T.	.03		T.	.17	.02				.33	T.				T.		T.			2.47
Fairmont [2]	Monongahela		.32	.80			.02		.15	.25	.02	.03	.01	.01			.29	T.					.05										1.95
Glenville [2]	Litl.Kanawha		.46	1.17			T.	T.		.32	.07	.18	T.	.11			.22						.31										2.84
Grafton	Tygart		•	1.42					•	.55	.02	.07	.20		.01			.15					.18										2.60
Hackers Creek †	West Fork		1.19	.35					.34	.13		.19	.01				.24						.13										2.58
Hall [2]	Tygart		.09	1.74				T.	.04	.76	.03	.25	.06	.07	T.		.31	T.	T.				.18										3.53
Harrison Co. Airport [2]	West Fork	.29	1.09			.02		T.	.31	.01	.03	.10	.01	.01		.05	.13	T.				.26					T.					2.31
Hastings	Ohio		1.11	T.			.02		.29	.02		.11		.10			.80																2.45
Horner	West Fork		1.00	.60					.43	.10	.05	.15					.35																2.68
Ireland	do		.85	.15					.60	.20	.10	.02					.27						.10										2.29
Jane Lew	do		1.23	.60		.01	.03		.35	.08		.28		.11			.25						.10										3.04
Kumbrabow St. For. †	[2]Tygart		.05	.50	.60		.04			.75			.70	.56			.25	.30				.03	.31										4.09
Mannington	Monongahela		1.26	.02		.04			.24	.02	.02	.16		.12			.64	T.					.02				T.						2.54
Middlebourne	Middle Is. Creek		.19	.59						.33		.09	T.	.02			.60																1.82
Midvale [2]†	Tygart		.08	1.26						.78	.02	.30	.01				.29	.02					.26										3.02
Morgantown	Monongahela																																
Mt. Clare	West Fork		1.25	.40		.04			.35	.03	.02	.18		.06			.15						.14										2.62
New Cumberland	Ohio	.04	.47			.03			.29			.03				.46	.34						T.				.02						1.68
New Martinsville	do	T.	.60			.05		T.	.21	T.	T.	.15		.04			.54																1.59
Parkersburg [1]†	do	.12	.18			.01		T.	.26	T.	.12	.04		T.	T.	.40	.10										T.						1.23
Parsons	Cheat		.72	.58					.49	.10	.05	.29		.14			T.						.28								T.		2.65
Philippi [2]	Tygart		.14	1.71			.03		.07	.65	.02	.16	.03	.15	T.		.28	T.	T.				.09					T.					3.33
Pickens	do		.84	.44					.22	.05	.05	T.	.42	.11			.11					.20	T.				T.		T.				2.44
Roanoke	West Fork		.93	.45					.39	.01	.01	.15					.31						.14										2.39
Rockford †	do		1.48	.45					.34	.06	T.	.23		.07	T.		.24					.04	T.										2.91
Rowlesburg [2]	Cheat		.30	1.33			T		.11	.65	.04	.10	.05	T.	T.		.30	T.					.11										2.99
Saint Marys [2]	Ohio		.23				.41			.23		.18		.03			.64										T.						1.72
Salem	West Fork		1.05	.09		.02				T	T.	.18				.10	.20						.06										1.70
Shinnston	do		.45	T.		T.	.20		.25		T.	T		T.			.10																1.00
Terra Alta †‡	Cheat		1.00	.60					.50																								
Thomas [2]	do		.05	1.45					.05	.58	.06	.23	.30	.12	.02		.15	.04	T.				.36								T.		3.41
Valley Chapel	West Fork		1.42	.37		T.	.03			.19	T.	.48		.04			.26						.01										2.80
Valley Head [2]	Tygart			.79			T.		.15	.90	.05	.27	.16	.17	T.		.07	T.	T.				.24								T.		2.80
Vandalia †	West Fork		.53	.64								.16						.36					.09										1.78
Wellsburg (near)	Ohio	.05	.19			T.			.22	T.	T.	T.		T.		.25	.55										T.						1.26
West Milford	West Fork		.97	.30		.01		.15	.63	T.	T.	.03	T.				.20						.11										2.61
Weston [2]	do		.25	1.53			.02		.18	.40	.04	.30	.02	.02			.28	.02					.08										3.14
Wheeling (Dam 12) [2]	Ohio		.16	.28			.01		.03	.20	.02	.01		.06		.10	.58											T.					1.45
Southern Division																																	
Arbovale [2]	Greenbrier		.23	.39		T.			.66		T.	.28	T.	.10			T.						.20								T.	T.		1.86
Beckley	New	.04	.28	.52		T.			.69	T.	T.	.09					.07						.11										1.80
Bluefield	New	.04	.17	.49					1.02	.01		.02					.17																2.52
Camden-on-Gauley [2]	Gauley		.15	1.05					.03	.76	.02	.16	.03				.16	.02					.14										2.08
Charleston	Gr. Kanawha		1.16	.33					.30	.01		T.					.28																1.70
Charleston (Airport) [4]	do	.07	.99			T.		.01	.24	.03	.02	T.	T.	T.		.18	.13				.03												1.94
Clay [2]	Elk		.23	1.02					T.	.32	T.	.08	.06				.17	.01			.01	.04											2.35
Flat Top [4]	New	.47	.96			T.		.15	.63	T.	T.	.03	T.				.04				T.	.06							.01				1.56
Gary [2]	Big Sandy		.21	.76					.02	.50		T.					.07																
Greenbottom [2]†	Ohio		1.20	.10	.20												.29						.13										1.80
Hinton [2]	New		.18	.70			T.		.18	.58		.03	T.																				1.35
Hogsett [2]	Ohio		.04	.71					.02	.27	T.	.02					.29																1.31
Huntington	do		.63	.08					.22	T.	.02	T.					.35	.01					.06										1.98
Kayford [2]	Gr. Kanawha		T.	1.10					.40	.04	.04	.08					.25	.01					.07										1.70
Lewisburg	Greenbrier	.07	.13	.71		T.			.64	.03		.05											.07										1.63
Logan [2]	Guyandot		.12	.85			.02		.02	.35	T.	.04	T.				.23	T.					T.										1.94
London Locks [2]†	Gr. Kanawha		.25	.98					•	.33		.08					.28	.02															2.20
Madison [2]	Coal		.24	1.21			.04		.03			.40	.01				.26						.01										1.90
Oak Hill	New		.14	.82					.06	.62	T.	.01					.10	.05					.10										2.17
Pineville	Gr. Kanawha		.67	.75					.15	.55	T	T.	T.				.05						T.										1.26
Point Pleasant [2]	Ohio		.08	.56					.02	.02	.21	.02		.03			.32										T.						1.67
Princeton [2]	New		.03	.62	T				.31	.58	T.	.01					.04	.07													.01		2.71
Rainelle	Greenbrier	.05	.32	.63		.09	T.	T.	1.02	.01	.03	.25					.20	T.					.11										1.37
Ravenswood [2]	Ohio		•	.65						.23		.05		.02			.42																2.50
Richwood [2]	Ganley		.10	1.14					.15	.72	.06	.26					.07																

Continued on next page.

Daily Precipitation for November 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha		.01					T.	.37	.03	.03	.03					.30						.10								T.		0.87
Seneca State Forest†	Greenbrier		.85					.04	1.11	T.	T.	.02	T.	T.			T.													T.			2.02
Spencer [2]	Litl.Kanawha	T.	.10	1.13			.02			.34	T.	.10					.38						.21										2.28
Summersville[2]	Gauley		.18	.98					.15	.45	T.	.18					.21						.18										2.33
Sutton	Elk		.85	.52					.42	.05	T.	.10		.12			.25						.17								T.		2.48
Thornwood[2]	Greenbrier		.26	.41					.96	.07		.50		.10			T.						.22										2.52
Union [2]	New			.99					.15	.54																							1.68
Wayne [2]	Twelvepole	T.	.15	.97					.10	.24							.49																1.95
Webster Springs	Elk		.34	.75		T.			.84		T.	.18					.58				T.		T.										2.69
White Sulp'r Spgs. [2]	Greenbrier		.15	.79					.88		.04	.05																					1.91
Williamson [2]	Big Sandy		.25	.80					.05	.30							.23	T.															1.63
Winfield Locks[2]†	Gr. Kanawha		.08	1.06			.02		.01	.32	T.	.02					.40																1.91

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for November 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	73	61	39	45	55	65	68	68	*46*	*31*	29	45	32	37	55	40	56	60	52	52	62	30	36	40	60	54	40	38	28	30	....	47.6
	Minimum	36	36	31	17	20	29	46	31	26	23	22	22	19	19	30	20	22	30	22	21	29	21	22	18	17	20	15	8	8	....		23.9
Beckley	Maximum	71	63	57	54	56	70	65	68	56	45	38	49	45	46	58	53	46	61	67	66	67	63	57	49	61	59	51	46	44	40	....	55.7
	Minimum	47	54	35	26	31	35	50	49	30	17	25	15	30	18	35	30	24	31	32	28	33	34	25	23	31	28	36	17	19	23	....	30.4
Bluefield	Maximum	70	67	60	53	58	67	*63*	70	49	36	36	49	48	47	58	57	38	57	64	64	63	*55*	42	49	*60*	60	54	49	*45*	41	....	54.3
	Minimum	49	55	36	28	36	46	*53*	48	30	28	27	23	38	28	*39*	31	25	30	44	44	42	34	23	22	*30*	26	40	*24*	24	24	....	34.2
Brandywine	Maximum	74	70	60	57	58	65	70	68	61	40	47	48	47	57	62	56	55	59	73	67	68	61	50	60	61	62	45	46	45	42	....	57.8
	Minimum	38	44	40	38	19	22	36	54	32	30	22	16	32	13	22	32	17	16	28	29	22	21	11	14	16	17	16	12	11	16	....	24.5
Buckhannon	Maximum	74	72	55	45	56	65	72	68	55	37	35	45	42	38	57	57	47	55	60	60	60	64	42	39	52	55	54	48	42	40	....	53.0
	Minimum	44	52	35	30	25	35	42	40	31	29	25	19	*29*	15	28	30	25	21	31	30	25	33	26	18	19	20	29	21	15	18	....	28.0
Cairo	Maximum	79	*64*	57	47	58	61	67	74	47	38	38	47	51	52	59	61	42	56	63	65	62	65	42	48	53	59	59	43	45	45	....	54.9
	Minimum	46	53	36	27	27	29	37	41	35	33	30	19	33	14	30	35	25	20	27	29	24	38	26	18	18	20	28	16	14	16	....	28.1
Charleston (Airport)	Maximum	80	63	47	57	60	74	74	72	40	40	39	56	47	48	65	47	44	64	69	62	72	46	45	45	57	60	45	47	44	44	....	55.1
	Minimum	47	42	32	30	30	35	44	35	35	32	22	20	21	17	32	32	22	21	31	32	31	31	22	20	21	24	23	19	18	22	....	28.1
Clarksburg [3]	Maximum	77	62	45	45	57	64	74	60	37	37	35	46	38	40	58	37	37	57	62	58	62	38	42	35	55	57	44	41	42	36	....	49.3
	Minimum	44	44	36	28	26	28	31	37	36	32	29	22	24	15	15	32	29	21	22	29	24	24	28	19	18	18	20	18	15	15	....	26.0
Cranberry Glades	Maximum	63	59	53	49	48	63	59	58	47	30	26	43	38	39	52	49	32	56	62	53	58	56	34	45	55	53	41	45	34	31	....	47.7
	Minimum	34	*32*	32	31	20	*27*	40	46	25	24	*15*	7	26	10	26	24	19	18	25	30	29	*25*	23	20	22	16	26	12	11	20	....	23.8
Elkins	Maximum	72	60	46	48	56	68	68	70	40	32	30	48	40	40	58	46	34	61	68	56	63	37	36	44	58	56	45	39	43	33	....	49.8
	Minimum	44	46	37	28	24	34	55	40	29	29	26	20	25	17	33	27	24	24	34	31	29	29	25	22	19	22	30	21	16	26	....	28.9
Fairmont [3]	Maximum	81	62	49	44	58	67	78	65	*49*	38	34	49	35	46	59	47	40	59	65	61	62	38	45	39	58	58	42	44	47	36	....	51.5
	Minimum	45	*49*	39	30	28	32	36	*49*	36	32	28	25	28	18	20	35	28	26	30	46	27	30	27	22	20	20	30	21	18	18	....	29.8
Flat Top	Maximum	66	55	41	51	56	65	59	60	34	32	28	48	40	44	56	47	36	58	67	58	62	37	36	43	58	54	48	42	38	37	....	48.5
	Minimum	39	40	29	26	28	39	48	34	24	22	14	11	25	18	41	24	20	29	43	35	32	23	19	19	22	20	26	16	16	22	....	26.7
Gary [3]	Maximum	76	61	52	58	63	76	70	62	42	42	37	55	48	51	63	44	44	65	72	68	70	45	43	54	67	60	51	47	47	*46*	....	56.0
	Minimum	43	45	38	28	28	31	37	42	34	33	29	29	21	20	21	33	29	21	22	27	32	39	23	18	18	20	23	23	19	19	....	28.2
Glenville	Maximum	81	75	75	53	59	72	75	73	48	38	37	51	48	47	61	60	43	64	67	64	66	65	47	59	60	60	55	46	46	41	....	57.9
	Minimum	44	55	36	30	29	31	42	47	35	34	31	22	32	16	31	35	26	22	30	31	26	38	29	20	19	22	24	19	15	19	....	29.7
Grafton	Maximum	80	80	58	45	58	64	75	74	51	37	37	48	48	43	59	59	38	59	63	63	63	63	43	43	57	58	58	42	44	45	....	55.2
	Minimum	42	49	34	22	22	25	34	43	28	26	23	16	26	11	23	28	22	15	24	25	21	30	22	18	14	17	23	14	12	13	....	24.1
Hamlin	Maximum	82	82	62	60	64	77	77	71	*46*	40	41	56	54	49	69	62	55	66	69	68	71	68	*54*	49	58	70	62	47	46	43	....	60.6
	Minimum	43	51	34	27	27	32	38	46	31	34	32	18	34	16	28	35	20	20	30	30	27	*31*	29	17	18	20	26	16	15	19	....	28.1
Huntington	Maximum	83	76	51	58	60	69	71	69	52	39	41	55	51	49	65	62	45	59	69	63	72	64	50	46	59	60	51	49	44	43	....	57.5
	Minimum	51	51	39	33	34	39	50	47	34	35	33	25	34	22	34	37	26	28	40	37	32	36	34	24	25	27	38	22	20	28	....	33.8
Lewisburg	Maximum	71	60	57	53	58	70	66	66	49	36	33	48	49	47	62	55	40	61	70	63	67	60	43	53	60	57	50	46	45	38	....	54.4
	Minimum	38	46	37	23	25	29	43	48	30	29	21	15	33	16	26	31	24	15	21	25	28	32	13	13	15	16	22	13	15	20	....	25.4
Logan [3]	Maximum	81	62	50	60	61	76	74	55	*54*	43	40	59	50	48	65	40	46	66	71	65	72	50	48	53	57	60	50	50	46	47	....	56.6
	Minimum	47	48	41	32	32	32	39	54	39	36	33	25	26	24	24	32	32	26	26	33	36	40	32	25	25	27	27	26	22	22	....	32.1
Madison [3]	Maximum	79	62	49	56	59	74	73	53	*51*	41	39	53	47	48	67	40	43	61	77	65	68	40	44	47	55	60	47	46	45	44	....	54.4
	Minimum	45	46	37	28	29	32	34	51	35	32	31	20	24	18	29	32	26	22	23	31	32	37	29	19	19	20	24	21	16	17	....	28.6
Mannington	Maximum	78	74	54	44	58	64	75	69	48	36	36	46	44	41	59	58	36	57	63	60	61	55	45	46	56	57	52	40	43	38	....	53.1
	Minimum	40	51	37	25	23	25	34	48	33	33	25	19	31	14	26	33	27	19	26	27	21	35	25	18	17	18	26	15	11	13	....	26.5
Martinsburg [3]	Maximum	65	60	54	52	55	62	68	70	70	46	41	51	46	43	58	50	42	54	72	58	57	51	48	50	60	60	55	42	35	43	....	53.9
	Minimum	42	44	45	40	28	30	34	42	41	37	31	29	30	27	28	35	24	27	27	30	30	30	30	36	30	27	26	27	20	25	....	31.7
New Martinsville	Maximum	70	60	53	50	57	66	76	70	48	39	41	50	42	48	57	48	40	61	66	62	61	46	51	52	62	60	55	48	44	39	....	54.1
	Minimum	55	51	36	28	27	28	39	45	33	33	28	23	31	17	31	33	27	31	27	31	23	27	26	22	21	20	30	17	17	18	....	29.2
Parkersburg	Maximum	79	66	46	50	58	68	73	71	43	36	39	49	42	45	61	42	41	60	64	57	64	42	46	50	55	60	49	42	42	41	....	52.5
	Minimum	53	46	38	30	35	34	56	41	34	32	30	26	26	19	37	33	25	32	39	32	29	35	30	29	24	26	29	20	21	24	....	32.2
Pickens	Maximum	60	58	*41*	45	48	60	65	54	38	30	24	35	33	35	42	35	42	45	41	55	53	53	30	35	33	36	44	40	35	35	....	42.7
	Minimum	42	41	29	20	18	23	42	35	21	20	18	12	13	5	21	20	12	19	35	28	27	23	18	12	18	23	32	28	27	23	....	23.5
Point Pleasant	Maximum	77	77	51	51	59	66	69	69	52	37	40	52	51	45	60	60	42	59	63	63	67	66	45	45	58	58	42	42	41	....		55.1
	Minimum	52	51	41	34	34	35	50	52	36	34	32	26	36	20	38	36	25	29	37	36	30	38	32	25	24	27	37	19	20	25	....	33.7
Rainelle	Maximum	68	61	55	56	55	69	64	63	44	33	31	49	41	46	57	53	39	60	66	58	62	60	40	48	59	50	44	44	40	44	....	52.0
	Minimum	36	45	35	23	21	30	42	43	28	26	23	8	29	14	27	28	21	16	22	26	29	31	23	19	17	17	22	16	13	14	....	24.8
Ravenswood	Maximum	77	64	45	52	56	63	70	68	46	36	40	49	43	44	62	*40*	37	60	63	61	66	40	47	45	57	57	47	44	42	40	....	52.0
	Minimum	47	50	35	44	28	31	47	44	33	32	30	22	32	15	30	34	26	24	31	32	26	35	30	19	19	22	30	15	15	18	....	29.9
Romney	Maximum	70	66	57	49	48	66	70	73	59	40	40	47	48	45	65	62	42	60	71	66	70	55	46	55	63	62	53	44	36	41	....	55.6
	Minimum	42	47	45	39	25	27	34	55	36	35	31	26	36	28	26	35	21	21	28	33	29	36	30	31	25	22	32	22	16	21	....	31.1
Spencer [3]	Maximum	80	62	45	53	58	68	72	54	38	38	38	51	44	46	61	40	40	62	65	60	67	48	45	40	57	59	44	45	43	40	....	52.1
	Minimum	45	57	35	27	28	31	47	53	33	32	30	21	34	15	32	35	23	21	31	32	26	36	26	18	19	22	*30*	15	15	19	....	29.6
Summersville	Maximum	74	58	*53*	52	56	71	68	54	*50*	35	31	49	41	44	58	34	33	60	60	60	65	41	40	47	60	58	45	45	45	37	....	50.8
	Minimum	44	53	45	28	27	27	53	50	32	29	30	19	30	16	31	32	25	22	22	27	31	33	25	22	21	20	42	14	13	24	....	29.6
Sutton	Maximum	76	76	56	54	57	68	72	72	56	38	52	52	50	47	61	61	44	63	63	63	67	67	48	47	58	58	58	45	46	46	....	57.4
	Minimum	43	42	37	30	28	31	41	47	34	30			28	30	16	36	35	27	20	28	30	30	36	30	19	19	21	27	18	16	20	29.0
Wardensville [3]	Maximum	70	65	49	54	53	69	67	72	45	4		48	40	45	64	45	43	57	73	61	65	42	44	56	65	65	55	43	33	42	....	53.6
	Minimum	36	42	44	31	22	26	32	39	36	35		*31*	25	23	24	29	17	18	24	29	24	28	28	26	20	21	27	20	14	16	....	26.8
Weston	Maximum	80	60	48	49	59	70	74	70	40	33			42	45	60	42	40	60	65	61	65	40	44	40	58	60	45	45	42	38	....	51.7
	Minimum	48	*48*	38	30	28	32	52	*40*	*31*	30			38	18	35	*28*	29	25	40	31	28	38	30	20	20	22	40	22	18	20	....	31.0
Wheeling [3]	Maximum	78	62	46	44	56	57	74	54	*42*	*38*			37	42	47	38	36	47	62	56	57	33	47	55	59	57	43	40	38	37	....	49.0
	Minimum	42	43	41	32	30	33	33	42	34	4	31	29	29	22	22	35	27	27	34	35	28	30	30	25	26	24	26	21	20	20	....	30.2
Williamson [2]	Maximum	78	62	52	55	62	74	72	53	*53*	43	41	57	49	49	64	42	44	65	69	65	70	47	45	50	54	58	50	47	45	45	....	55.3
	Minimum	48	51	41	32	33	34	42	53	39	35	33	24	26	25	25	34	31	26	26	32	37	40	28	24	24	23	27	25	24	24	....	32.2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

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CLIMATOLOGICAL DATA

S. S. SCHWORM

VOL. LI PARKERSBURG, W. VA., DECEMBER 1943 No. 12

GENERAL SUMMARY

The month was cold and dry. The first decade was warm, cloudy and had rather frequent light rains. The cold periods were 15–19th, and the 23d–24th. Only two of the stations reported a plus departure in temperature. Below zero temperatures occurred at 4 stations on the 14th, 9 on the 15th, 32 on the 16th, 19 on the 17th, 8 on the 18th, 10 on the 23d, 35 on the 24th and 3 on the 25th.

This has been the fifth driest December of record. Precipitation was below normal at all but one station, Rainelle. Deficiencies of from one to two inches were common throughout the State. The northeastern division averaged 48%, the northern division 55%, the southern division 71%, and the State, 60% of the normal. Light to moderate snows occurred on the 28–29th. These snows were rather heavy at high-elevation stations. The greatest number of snow-lying days was 21 at Spruce Knob. No damage was reported from storm or flood.

Winter grains, most of which were planted late, and now suffering from dry weather, made very little progress during the month. The condition of wheat, barley and pastures at the close of the month ranged from fairly good in the southern division to barely fair in the northeastern panhandle division. Fruit trees apparently stayed fully dormant throughout the month. Farm water supply, which had been short, was somewhat improved by the close of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 32.1°, or 2.6° below the normal. The mean for the northeastern panhandle division was 32.3°; for the northern division, 30.9°; and for the southern division, 33.0°. The highest monthly mean was 36.4° at Huntington and Logan, and the lowest, 23.8° at Pickens. The highest temperature was 66° at Huntington on the 5th and Richwood on the 9th, and the lowest, −15° at Bayard on the 16th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 124 stations, was 1.96 inches, or 1.31 inches below the normal. In the northeastern panhandle division the average was 1.20 inches; in the northern division, 1.92 inches; and in the southern division, 2.30 inches. The greatest monthly precipitation was 4.20 inches at Cranberry Glades and the least, 0.45 inch at Harpers Ferry. The greatest amount in any 24 consecutive hours was 1.43 inches at Cranberry Glades on the 25th and 26th. The average number of days with .01 inch or more of precipitation was 8.

Dr. H. S. Gardener

Dr. H. S. Gardener, cooperative observer at Martinsburg, W. Va., since March 15, 1923 died December 21, 1942. Dr. Gardener was a very active observer who rendered prompt and accurate reports. He lengthened the already long climatological record of his community. His going is deeply regretted.

L. A. Mauck

Mr. L. A. Mauck, cooperative observer at Beckley, W. Va., died in December, 1943. He had carried on the work since September 16, 1930. His was one of the finest instrumental exposures in the State. His neat and accurate reports will be missed.

ERRATA

November, 1943: Page 42: Total Precipitation Bens Run, 1.86; Departure —1.03; Williamson, Lowest Temperature, 23 on 26th. Page 43: Total Precipitation Bens Run, 1.86.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3	2	12	21	29	8	6	..	1	3	..	1	..	1	1	..	..	2	2	..	2	1	..	2	1	6	5	4	1	2	2
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	1	1	..	1	9	12	12	2	..	..	..	..	1	10	3	3	2	..	4	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	4	3	3	4	1
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Atmospheric pressure (reduced to sea-level)				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.76	24	29.68	12	7.4	24	w.	24	81	59	67	56	1022
Columbus, Ohio	30.75	24	29.60	12	9.2	29	sw.	29	82	62	67	48	1066
Elkins	30.78	24	29.62	12	6.9	26	se.	26	82	62	72	37	1070
Huntington Airp't	30.79	24	29.71	12	.....	21	nw.	21	83	62	73	....	988
Parkersburg	30.77	24	29.63	12	5.6	25	nw.	12	79	59	64	45	1014
Pittsburgh, Pa	30.74	24	29.56	12	11.3	38	nw.	10	77	60	68	34	1102

COMPARATIVE DATA FOR DECEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	.....	..	..	..	..
1892	34.1	72	−10	2.44	2.54	2.59	2.91	.....	8	..	..	..
1893	37.1	76	7	.60	2.40	1.54	2.05	.....	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	.....	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	.....	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	.....	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	5.84	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4 91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.33	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4 23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2 35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	24.3	67	−37	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	43.1	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	83	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	1.20	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3 8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.9	75	8	2.47	4.27	3.84	3.91	.3	15	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20 5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3 85	4.02	4.5	11	11	6	14
1937	32 2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
1941	39.3	74	2	2.38	2.08	2.40	2.24	1.0	9	7	9	15
1942	31.6	75	−21	3.58	5.80	5.75	5.42	13.2	15	4	8	19
1943	32.1	66	−15	1.20	1.92	2.30	1.96	3.4	8	10	7	14
Period	34.7	83	−37	2.48	3.50	3.25	3.27	6.1	11	9	7	15

Climatological Data for December 1943

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	38	26.8	−1.3	57	6	−15	16	1.69	−2.15	0.59	29	16.0	9	7	12	12	w.	Lewis T. Clark
Berkeley Sprgs. 3 mi. NE	Morgan	780	1	....	.....	..	..	....	..	....	.....	....	..	....	..	..	..	..	.....	Roy P. Widmyer
Brandywine	Pendleton	1,586	26	31.2	−3.0	64	8	−8	16	0.61	−1.49	0.35	29	3.5	2	21	1	9	n.	E. L. Keister
Harpers Ferry	Jefferson	400	43	....	.....	..	..	....	..	0.45	−2.16	0.39	27	....	3	..	..	..	.....	Miss Eleanor White†
Inwood	Berkeley	569	11	34.4	.....	63	3	5	24	....	.....	....	..	....	..	20	4	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	13	35.2	−0.1	63	2	6	§15	1.12	−1.29	....	..	....	5	15	11	5	w.	University Exper. Station
Martinsburg	Berkeley	435	43	34.2	+0.2	60	§2	8	15	1.07	−1.69	0.96	27	T.	5	..	..	..	w.	Dr. H. S. Gardner
McNeill, 2 miles NE	Hardy	800	47	31.5	−1.1	65	§7	−11	14	1.50	−0.56	0.88	26	7.5	2	10	11	10	w.	R. E. Saville
Piedmont	Mineral	1,053	27	31.8	−1.2	58	4	0	16	1.09	−1.32	0.66	26	4.2	5	16	5	10	w.	C. A. Suter, Jr.
Romney	Hampshire	824	41	33.4	−1.1	63	4	0	16	0.97	−1.28	0.82	27	3.0	2	17	4	10	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	23	....	.....	..	..	....	..	2.91	−0.33	0.85	27	11.5	10	3	13	15	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	21	31.0	−2.7	63	4	−6	30	0.93	−0.81	0.43	27	4.3	4	..	..	..	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	18	....	.....	..	..	....	..	1.83	−1.17	0.89	26	2.2	10	4	8	19	.....	L. Esle Bond
Benson	Harrison	1,080	18	29.0	−7.2	58	§8	−2	24	2.16	−1.33	1.10	26	1.9	9	11	8	12	.....	R. D. Marts
Bens Run	Pleasants	652	42	32.3	−2.5	57	8	3	24	1.73	−1.83	1.01	26	3.2	7	14	7	10	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	8	27.6	.....	56	6	−10	§15	1.68	.....	0.47	27	2.0	8	..	..	..	.....	James I. Galloway
Brownsville	Lewis	1,032	19	33.2	−3.4	61	8	−1	§16	1.98	−1.34	0.99	26	2.2	11	9	9	13	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	42	32.0	−2.2	60	8	0	§16	1.85	−2.33	0.75	26	1.5	8	13	4	14	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	34	31.6	−3.1	61	9	−2	24	2.03	−1.42	0.93	26	2.7	9	10	6	15	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	20	29.2	−6.0	60	8	−1	§24	1.64	−1.44	0.88	27	2.5	9	10	6	15	se.	Clarksburg Water Board
Creston	Wirt	640	42	33.0	−2.3	61	§8	−1	24	1.66	−1.81	0.51	26	1.0	10	10	8	13	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	21	....	.....	..	..	....	..	1.33	−2.09	0.75	27	3.0	10	..	..	..	.....	Lockmaster
Dam 13 O. R	Marshall	655	27	....	.....	..	..	....	..	1.19	−1.79	0.77	27	....	8	..	..	..	.....	Lockmaster
Dam 15 Mon. R	Marion	882	21	....	.....	..	..	....	..	1.26	−1.87	0.87	27	3.0	5	..	..	..	.....	Lockmaster
Dam 19 O. R	Wood	600	26	....	.....	..	..	....	..	1.66	−1.47	0.67	27	1.0	10	..	..	..	.....	Lockmaster
Dam 20 O. R	Wood	600	25	....	.....	..	..	....	..	2.17	−0.97	0.73	27	1.0	9	..	..	..	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	32	....	.....	..	..	....	..	2.10	−1.03	1.15	26	3.0	8	..	..	..	.....	Lockmaster
Elkins	Randolph	1,927	44	30.6	−2.1	59	8	−3	16	1.86	−1.60	0.41	27	4.6	13	3	9	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	44	31.0	−3.0	59	4	2	§24	1.63	−1.86	0.57	27	4.0	8	13	4	14	w.	J. C. Robinson
Glenville	Gilmer	738	55	33.4	−2.5	62	9	0	24	2.35	−1.58	0.57	26	2.0	10	6	13	12	w.	Howard R. Brannon
Grafton	Taylor	1,050	40	29.5	−4.7	59	§6	−7	24	1.44	−1.64	0.74	26	2.8	9	12	5	14	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	3	31.0	.....	59	8	0	§16	1.52	.....	0.90	26	3.0	10	9	8	14	sw.	U. S. Airway Station
Hastings	Wetzel	809	8	....	.....	..	..	....	..	1.89	.....	0.82	26	3.5	12	9	11	11	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	19	....	.....	..	..	....	..	2.07	−1.01	1.00	26	1.0	14	..	..	..	.....	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW.	Marion	974	41	29.8	−3.8	57	§8	−4	24	1.94	−1.63	1.02	26	5.4	10	9	6	16	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	2	31.0	.....	60	7	−3	24	2.06	.....	0.98	27	4.0	8	11	3	17	sw.	L. A. Crumrine
Morgantown, 3 miles N	Monongalia	1,300	43	....	.....	..	..	....	..	....	.....	....	..	....	..	..	..	..	.....	State Horticultural Farm
New Cumberland	Hancock	671	43	31.0	−0.7	56	2	−1	24	0.77	−1.99	0.58	26	....	5	7	6	18	nw.	C. O. Valentine
New Martinsville	Wetzel	637	44	31.4	−3.9	60	5	0	24	1.64	−1.92	0.91	26	3.0	8	14	3	14	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	55	32.3	−2.9	59	8	3	24	1.68	−1.35	1.12	27	3.4	9	11	6	14	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	43	29.3	−3.0	60	5	−7	16	1.88	−2.17	0.36	7	5.7	14	..	..	..	nw.	D. A. Oliver
Philippi	Barbour	1,300	43	....	.....	..	..	....	..	1.51	−2.26	0.56	27	2.5	10	..	..	..	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	41	28.8	−8.4	56	8	−12	16	3.92	−1.46	0.90	26	11.5	16	3	14	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	19	....	.....	..	..	....	..	2.34	−1.03	0.98	26	4.0	11	9	5	17	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	44	31.7	.....	58	§5	−2	16	1.71	−2.67	0.80	27	5.0	8	10	1	20	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	....	.....	..	..	....	..	2.14	−1.20	0.79	27	3.0	8	..	..	..	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	37	29.0	−1.6	57	9	1	24	....	.....	....	..	....	..	..	..	..	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	13	....	.....	..	..	....	..	2.52	−1.33	0.77	27	13.0	10	..	..	..	.....	W. Sleeman
Valley Chapel	Lewis	1,011	19	32.9	−4.6	60	§8	−1	24	2.13	−1.09	1.15	26	1.5	9	2	8	21	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	43	29.7	−2.7	55	§2	−5	15	1.05	−1.86	0.73	26	....	5	11	5	15	.....	George P. Pfister
West Milford	Harrison	979	17	....	.....	..	..	....	..	2.01	−1.07	1.11	26	1.0	9	..	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	42	34.0	−1.8	61	6	0	24	2.10	−1.53	0.81	27	3.4	10	..	..	..	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	44	30.0	−2.6	55	§2	4	24	1.07	−1.91	0.78	27	0.8	8	9	7	15	sw.	Lockmaster
Southern Diviston																				
Arbovale	Pocahontas	2,727	18	....	.....	..	..	....	..	1.75	−1.41	0.63	27	4.9	10	10	10	11	w.	H. S. Sutton
Beckley	Raleigh	2,440	36	....	.....	..	..	....	..	....	.....	....	..	....	..	..	..	..	.....	L. A. Mauck
Bluefield	Mercer	2,558	42	35.3	−1.6	61	8	4	24	1.60	−1.28	....	..	1.2	10	10	6	15	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	39	38.1	−1.5	63	8	7	24	2.63	−1.01	0.59	26	2.0	10	8	7	16	.....	Tom Miller
Charleston (Airport)	Kanawha	606	5	33.3	.....	62	§5	2	24	2.27	.....	0.67	26	2.8	11	6	8	17	ne.	Civil Aero. Administration
Clay	Clay	790	44	....	.....	..	..	....	..	2.30	−1.20	0.43	9	3.2	12	..	..	..	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	..	26.9	.....	57	5	−8	16	4.20	.....	1.43	26	8.8	12	11	6	14	nw.	Department of Justice
Flat Top	Mercer	3,270	5	29.4	.....	60	5	−4	24	3.02	.....	0.99	26	7.9	11	10	7	14	nw.	U. S. Airway Station
Gary	McDowell	1,426	26	34.6	−3.2	64	§5	2	24	1.87	−1.50	....	..	2.0	7	..	..	..	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	35.9	.....	62	§5	2	24	0.69	.....	0.18	6	2.5	7	9	4	18	.....	State Forest Nursery
Hamlin	Lincoln	641	..	35.6	.....	62	§2	0	24	1.91	.....	0.90	26	....	7	10	8	13	w.	F. E. Brown
Hinton	Summers	1,431	43	34.2	−1.6	66	5	2	24	2.41	−0.77	0.76	29	0.2	9	..	..	..	.....	Mrs. M. L. McClung
Huntington	Cabell	571	43	36.4	+0.8	63	2	6	24	2.09	−1.28	0.87	26	2.2	9	7	5	19	nw.	H. N. Robinson
Kayford	Kanawha	1,335	19	....	.....	..	..	....	..	2.63	−1.28	0.60	29	4.0	9	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	39	31.8	−1.4	61	8	−4	24	2.12	−0.99	1.06	26	2.8	8	11	8	12	w.	James B. Stuart
Logan	Logan	700	32	36.4	−2.7	63	8	7	24	2.87	−1.23	0.60	9	T.	9	5	7	19	.....	Paul A. Simonds
London Locks	Kanawha	623	8	....	.....	..	..	....	..	3.27	.....	0.67	9	1.0	13	..	..	..	w.	Lockmaster
Madison	Boone	675	21	....	.....	..	..	....	..	....	.....	....	..	....	..	..	..	..	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	1	31.4	.....	59	7	1	§24	3.18	.....	0.65	29	1.0	12	10	1	20	.....	M. H. Martin
Pineville	Wyoming	1,350	1	34.6	.....	62	§2	0	24	2.68	.....	0.65	26	....	10	13	4	14	.....	Charles Dameron
Point Pleasant	Masou	595	44	34.4	−1.4	62	4	4	24	2.15	−1.35	0.80	26	0.9	8	16	6	9	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	12	31.0	−2.2	60	5	−4	§16	3.74	+0.21	0.80	26	4.0	12	9	3	19	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	20	30.9	−7.0	60	8	−1	24	2.03	−1.29	0.60	26	....	8	14	1	16	sw.	Lockmaster
Richwood	Nicholas	610	1	29.8	−5.3	66	9	0	18	2.52	−0.97	....	..	....	9	8	5	18	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	12	31.4	.....	59	8	0	15	....	.....	....	..	....	..	11	17	3	.....	Sattis Simmons
Ryan	Roane	700	40	33.2	−1.3	62	9	1	25	1.78	−1.47	0.71	27	2.5	10	11	8	12	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	4	28.9	.....	60	6	−10	24	2.21	.....	0.87	26	5.5	9	18	3	10	n.	Supt., State Forest
Spencer	Roane	789	40	32.5	−4.0	61	8	−1	24	1.96	−1.45	0.56	26	2.0	11	6	8	17	.....	A. M. McKown
Summersville	Nicholas	1,900	7	30.4	.....	62	4	−4	16	2.39	.....	0.40	§10	T.	8	7	9	15	.....	A. E. Dorsey
Sutton	Braxton	850	39	33.9	−1.3	62	§8	−1	24	2.30	−1.52	0.81	26	3.6	10	19	8	4	.....	C. B. Eakle
Union	Monroe	2,200	32	31 0	−3.0	62	8	−4	§24	2.10	−0.82	0.65	26	0.5	7	..	..	..	.....	C. B. King
Webster Springs	Webster	1,500	11	35.0	.....	65	5	1	16	2.46	....	0.95	11	3.0	7	11	8	12	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	26	34.4	−1.3	64	§6	−4	24	1.84	−1.26	0.50	28	1.0	8	4	15	12	.....	Ashford General Hospital
Williamson	Mingo	673	35	36.0	−1.6	63	8	9	§17	2.39	−1.39	0.64	26	0.5	9	11	2	18	se.	J. E. Dotson
Winfield Locks	Putnam	571	5	33.6	.....	62	8	4	24	1.92	.....	0.53	26	3.0	9	13	3	15	nw.	Lockmaster
State averages and extremes				32.1	−2.6	66	§5	−15	16	1.96	−1.31	1.43	26	3.4	8	10	7	14	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for December 1943

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac				.03			.24		.02		.03	.10	T.																			
Brandywine	do			T.			T.				T.																.23	.38	.07	.59			1.69
Brushy Run [2]	do			T.				.07				.02														T.	.26			.35			.61
Harpers Ferry [2]	do				.01																T.						.23	.43		.23			.98
Inwood	do																										.05	.39					.45
Kearneysville	do						T.	.05																			.05						
Knobly Mountain [2]†	do							.05				T.		T.							T.	T.					*	*	*	1.07			1.12
Martinsburg [2]	do			T.				.01																				.80		.25			1.10
McNeill†	do						T																				.05	.96	*	.05			1.07
Petersburg	do			T.	T.		T.	T.																		T.	.88			.62			1.50
Piedmont	do						T.				.06	T.		.01													.82	T.		.23			1.05
Romney	do																										.66	.02		.34			1.09
Spruce Knob [2]†	do			.04	.13			.33		.19	.13	.09		.07		.02					.08	T.				.29	.24		.37				1.98
Stony River Dam [2] †	do			.15				.41		.15	.05	.12		.12													.36	.85	.15	.55			2.91
Wardensville [2]	do				.02			T.																			.25	.43		.23			0.93
Northern Division																																	
Aberdeen†	West Fork			.11	T.		.05	.19	T.	.15	.17	T.		.03							T.				T.	.89	.03	.02	.19			1.83
Bellington [2]	Tygart				.10			.36	T.	.19	T.	.18		.07		T.						T.					.24	.36	.04	.23			1.77
Benson †	West Fork						.06	.20		.15	.16			.07													1.10	.17	.03	.22			2.16
Bens Run	Ohio		T.	T.			.10	.13			.15				.01												1.01	.09		.24			1.73
Big Skin Creek†	West Fork			.09	.04		.10	.20		.10	.20										T.					.08	.57	.39	.05	.18	T.		2.00
Brandonville	Cheat				.04			.24		T.	.12	T.		.06													.46	.47	.14	.15			1.68
Brownsville †	West Fork			.05			.04	.21		.09	.15			.03							T.					.04	.99	.11	.02	.22			1.98
Buckhannon	Tygart			.15			.16	.20			.34			.04												T.	.75	.15		.06			1.85
Cairo	Litl.Kanawha						.07	.15		.13	.20			.05													.93	.16	.05	.29			2.08
Clarksburg [2]	West Fork							.19		.03	.02	.12		.04													.17	.88	.01	.18			1.64
Crawford	do			.03			.14	.17			.44				T.						T.					.09	.79	.18	T.	.33			2.17
Creston [2]	Litl.Kanawha		.03		.02			.25		.12	.10	.02		T.													.51	.40	.01	.20	T.		1.66
Dailey [2]†	Tygart			.05	.02			.24		.18	T.	.25		.25	T.						T.	T.					.21	.20	T.	.28			1.68
Dam 10, Mon. R. [2]†	Monongahela		T.		.03			.13		.01	.02	.10	T.	.02													.03	.75	.03	.21			1.33
Dam 13, O. R. [2]†	Ohio							.14		.05	.02	.07		.08													T.	.77	.02	.04			1.19
Dam 15, Mon. R. [2]†	Monongahela				T.			.11		T.	.03	.08		T.								T.					T.	.87	T.	.17			1.26
Dam 19, O. R. [2]†	Ohio		.01					.15	T.	.04	.05	.11		.02	T.												.45	.67	.01	.15	T.		1.66
Dam 20, O. R. [2]†	do		.02	T.	T.			.24	T.	.15	.06	.15		T.	T.												.52	.73	.03	.27	T.		2.17
Elizabeth (Dam 3) [2]	Litl.Kanawha							.13	T.	.21	*	.20															1.15	.06	.10	.25			2.10
Elk†	West Fork									.50	.20																.95			.13			1.78
Elkins [1] †	Tygart			.17			.33	.03	.10	.12	.21	T.	.03	.17	T.	T.					T.					.04	.40	.04	.11	.11		T.	1.86
Fairmont [2]	Monongahela				.04			.16		.03	.10	T.		T.							T.	T.				T.	.39	.57	.04	.30			1.63
Glenville [2]	Litl.Kanawha		T.		.12			.23		.14		.19		.08													.57	.11	.52	.31	.08		2.35
Grafton	Tygart				.01			.19			.15	.01		.02													.74	.07	.01	.24			1.44
Hackers Creek †	West Fork			.07			.10			.01	.20			T.													1.00	.24					1.62
Hall [2]	Tygart		T.	T.	.18			.31		.19	T.	.19		.06								T.					.27	.62	.03	.24			2.09
Harrison Co. Airport [2]	West Fork		T.	.05			.16	T.	.04	T.	.15		.07	.02	T.						T.					T.	.90	.01	.07	.05			1.52
Hastings	Ohio			.02			.04	.17		.08	.20		.01			.02					.02						.82	.21	.06	.24			1.89
Horner	West Fork			.25				.35																		.10	1.00	.15					1.85
Ireland	do				.13		.20	.10		.30	.28																.10	.25	.30	.33			1.99
Jane Lew	do		.01	.01	.05	.07	.20			.12	.16	.02		.05												.04	1.00	.08	.05	.21			2.07
Kumbrabow St. For.†	Tygart						.32	.90	.05	.61	.16			.24							.16					.36	.58		.35	.22			3.95
Mannington	Monongahela			.02	T.		.04	.13		.01	.17			.02							T.					1.02	.08	.05	.40			1.94
Middlebourne	Middle Is. Creek				T.			.17		.02	.12	.03		T.													.46	.98	.04	.24			2.06
Midvale [2]†	Tygart				.11			.57		.29	T.	.23		.22								.02					.31	.43	.12	.04			2.34
Morgantown	Monongahela																																
Mt. Clare	West Fork			.03	T.		.08	.16	T.	.11	T.			T.							T.					1.01	.08		.18	T.	T	1.65
New Cumberland	Ohio						.10	.05	.01	T.				T.													.58	.03					.77
New Martinsville	do			T.			.15		.05	.03	.18	T.		T.								T.					.91	.10	.03	.19			1.64
Parkersburg [1]†	do		T	T.			.16	T.	.04	T.	.16		.03	T.	T.						.01					.04	.37	.14	.01	.28			1.88
Parsons	Cheat			.18	.02		.10	.26	T.	.23	.13	.01		.10												.02	1.11	.03	.12	.01			1.68
Philippi [2]	Tygart		T.	T.	.08			.14	T.	.14	.01	.13		.02		T.					T.						.17	.56	.06	.20			1.51
Pickens	do			.40	.07		.38	.45		.63	.16	.02		.08		.02		.02			.14						.90	.25	.28	.15	.02		3.92
Roanoke	West Fork			.03			.04	.27		.14	.33			.01													.98	.08	.03	.40			2.34
Rockford †	do			.05	.03		.06	.17		.08	.14		T.	T.	T.											.03	.98	.08	.03	.40			2.34
Rowlesburg [2]	Cheat				.02			.40		.08	.06	T.		.05							T.	T				.01	.93	.07	.06	.26			1.86
Saint Marys [2]	Ohio		.01					.24		.05	.10										T.						T.	.80	.05	.25			1.71
Salem	West Fork				T.		.09	.06	T.		.15			T.													.52	.79	.05	.38			2.14
Shinnston	do						.18			T.	T.			T.							T.					T.	1.18	.06	.18				1.72
Terra Alta†	Cheat																				T.						1.15	.05		.26			1.64
Thomas [2]	do				.20			.48		.27	.01	.05		.10	T.												.77	.04	.52				2.52
Valley Chapel	West Fork		T.	.04			.08	.20		.13	.15			.06	T.						.08	T.					.77	.04	.52				2.52
Valley Head [2]	Tygart			.11	.10			.55	T.	.33	.03	.32	T.	.07	T.											T.	1.15	.12	T.	.26			2.13
Vandalia †	West Fork						.16	.17		.14	.22										T.	.02					.22	.50	T.	.49			2.74
Wellsburg (near)	Ohio			T.			.11	.06			T.			.05													.98	.10		.31			2.08
West Milford	West Fork				.05		.10	.19		.15	.16										T.						.73	.10	T.				1.05
Weston [2]	do		T.	T.	.06		*	.28		.15	T.	.10		.10	T.												1.11	.10	.05	.10			2.01
Wheeling (Dam 12) [2]	Ohio							.14		.01	.01	.06		.05													.30	.81	.06	.24	T.		2.10
Southern Division																										T.	T.	.78	.01	.01			1.07
Arbovale [2]	Greenbrier			.05	T.			.35		.13	T.	.13		.05							.03						.03	.63	.05	.30			1.75
Beckley	New																																
Bluefield	New						.21	.04		.06	.21															.04	*	.82	.16		.04	.02	1.60
Camden-on-Gauley [2]	Gauley			.08	.03			.45	.02	.58	.06	.02		.28	.02												.24	.32	.05	.70	T.		2.85
Charleston	Gr. Kanawha			.17			.22	.07		.47	.36			T.												.08	.59	.06	.27	.34			2.63
Charleston (Airport) [4]	do			.10			.24	T.	.26	.13	.31			.02	T.											.26	.47	.02	.43	.03		T.	2.27
Clay [2]	Elk		.09	.06			.25	.02	.43	.05	.37			T.													.35	.24	.04	.36	.04		2.30
Flat Top [4]	New		.07	T.			.23	.02	.08	.15	.47			T.	T.	T.										.45	.74	.06	.70	.05	T.	T.	3.02
Gary [2]	Big Sandy			.05				.28		.13		.34															*	.64	T.	.43		T.	1.87
Greenbottom [2]†	Ohio						.18	.03	.10		.03	.05																.10		.20			.69
Hinton [2]	New		T.	.03	.01			.20		.11	.01	.38		T.	T.	T.	T.	T.									T.	.71	.20		.76	T.		2.41
Hogsett [2]	Ohio		T.					.17		.13	.09	.19		T.														.76	.39	T.	.21			1.94
Huntington	do		T.				.15	.06	T.	.17	.30			.01												.13	.87	T.	.20	.20		T.	2.09
Kayford [2]	Gr. Kanawha			.28	.26			.24		.55	.08	.35	T.	.03														.26		.60			2.63
Lewisburg	Greenbrier			.20			.16		T.	.13	.27															.05	1.06	.03	.22				2.12
Logan [2]	Guyandot			.23	.24			.27	T.	.60	T.	.35		T.	T.	T.	T.									.02	.50	.15	T.	.51	T.	T.	2.87
London Locks [2]†	Gr. Kanawha		.07	.05	T.	.07	.09	.02		.67	.40	.40														.09	.35	.41	.03	.62	T.		3.27
Madison [2]	Coal																																
Oak Hill	New		.32	.13			.20		.45	.15	.32		.01														.58	.32	*	.65	.05		3.18
Pineville	Gr. Kanawha			.18	T.			.28			.18	.60		T.	T.												.07	.65	.08	.04	.50	.10	T.	2.68
Point Pleasant [2]	Ohio		.04	T.			T.	.12	T.	.10	.14	T.		T.	T.											T.	.80	.42	.05	.48	T.		2.15
Princeton [2]	New			.01				.22	.01	.09	T.	.26															.18	.52	.02		.43	T.	T.	1.74
Rainelle	Greenbrier			.55			.13		.11		.52	.37	T.		.06	T.	.03					T.				T.	.10	.80	.13	.26	.68	T.		3.74
Ravenswood [2]	Ohio		.05		T.			.12		.10	.05	.20															.60	.53		.38			2.03
Richwood [2]	Gauley			.23	.06			.26		.60	.05	.35								T.		T.					*	*		.97			2.52

Continued on next page.

Daily Precipitation for December 1943—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha.						.15		.10		.19	.19			.01												.01	.71	.06	.21	.15		1.78
Seneca State Forest†	Greenbrier						.18	.18	T.	.17	.12			.04												.06	.87		.07	.52			2.21
Spencer [2]	Litl.Kanawha		.02	T.	.01			.22	.05	.17	.07	.11		T.													.56	.30	.31	.14			1.96
Summersville [2]	Gauley			.15	.10			.33		.60	.40	T.				T.											.33	.40	.08				2.39
Sutton	Elk			.06			.15	.18		.40	.32			T.												.06	.81	.12	.10	.10	T.		2.30
Thornwood [2]	Greenbrier				.08		.16	.15		.19	T.	.21									.06						.65	.30		.45			2.10
Union [2]	New			.08				.14		.15		.33															.60	.22		.40			2.24
Wayne [2]	Twelvepole			.02	.08	.01			.25		.33	.07	.24		.01		.01									.17		.40	.20				2.46
Webster Springs	Elk			.15			.25	.24				.95		T.													.13		.50	.23			1.84
White Sulp'r Spgs. [2]	Greenbrier			.34			.17			.11	.23	.03														T.	.64	.13	.05	.59	T.		2.39
Williamson [2]	Big Sandy			.14	.15			.30		.31	.17			T.													.53	.24		.42			1.92
Winfield Locks [2]†	Gr. Kanawha.			.01	T.			.20		.16	.03	.30		T.	.02																		

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for December 1943

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	50	50	50	52	56	57	46	56	50	44	30	35	15	15	15	16	25	32	40	31	45	29	10	27	37	41	40	34	*32*	31	23	35.6
	Minimum	21	22	31	41	37	24	30	34	44	30	18	15	10	10	−12	−15	*5*	5	11	21	20	*10*	5	2	2	22	30	32	15	19	22	18.1
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	*55*	55	57	56	59	*53*	53	61	60	50	37	42	*30*	29	28	19	28	39	44	34	47	47	37	23	33	48	42	41	38	36	36	42.5
	Minimum	28	*43*	49	48	41	47	45	47	50	35	24	*32*	22	16	14	5	6	18	23	23	24	29	15	4	23	*33*	30	34	24	24	26	28.1
Brandywine	Maximum	55	59	60	61	62	55	52	64	62	55	42	48	38	34	32	23	34	48	50	54	57	47	32	30	35	38	55	42	30	36	34	45.9
	Minimum	14	24	36	27	28	35	36	30	34	27	18	17	14	6	5	−8	−5	3	8	11	14	28	0	−6	14	20	28	20	14	15	4	16.5
Buckhannou	Maximum	50	53	53	52	55	58	57	60	58	50	37	48	40	35	25	20	25	37	41	40	46	43	30	20	35	50	46	43	34	31	32	42.6
	Minimum	19	23	27	42	36	30	37	40	42	32	22	28	16	12	4	0	2	17	11	24	13	21	2	0	14	28	28	29	24	22	23	21.5
Cairo	Maximum	51	57	58	57	58	57	54	59	61	52	36	40	43	27	27	24	30	40	41	46	47	47	33	27	31	42	48	43	37	29	31	43.0
	Minimum	17	23	33	32	25	28	39	40	47	32	25	17	17	12	2	0	6	10	22	13	15	2	−2	14	30	40	36	22	10	23	20.3	
Charlestou (Airport)	Maximum	55	61	54	56	62	56	48	62	58	44	38	49	33	28	24	25	33	43	48	41	52	38	25	29	40	50	44	40	29	35	33	43.0
	Minimum	20	33	46	36	32	39	42	45	43	34	21	21	23	14	6	5	4	8	13	16	19	14	3	2	18	39	39	39	28	23	22	25.6
Clarksburg [3]	Maximum	50	54	54	55	54	58	49	60	52	*41*	33	40	24	26	19	21	27	38	42	34	47	31	19	25	40	48	42	*39*	27	30	29	39.0
	Minimum	18	20	33	39	27	27	35	38	*41*	*33*	27	21	18	12	8	1	1	2	11	11	13	19	4	−1	−1	18	39	27	23	16	23	19.5
Cranberry Glades	Maximum	50	46	50	48	57	47	47	53	54	42	32	38	33	26	18	12	24	35	41	34	45	40	24	19	35	38	40	35	32	25	26	37.0
	Miuimum	17	18	34	41	34	26	37	38	40	30	16	6	12	−2	4	−8	−1	3	7	18	5	21	−2	−4	9	32	34	30	16	6	4	16.8
Elkins	Maximum	52	52	52	54	58	55	47	55	54	40	30	39	30	26	18	18	27	36	44	35	48	37	18	28	33	49	43	38	29	32	27	39.0
	Miuimum	26	24	40	45	32	32	38	46	40	30	20	19	14	11	2	−3	1	9	14	23	15	13	7	5	18	32	37	28	22	22	22	22.1
Fairmont [3]	Maximum	53	54	52	59	57	56	49	57	53	35	*53*	44	31	31	23	25	32	37	46	41	51	33	25	29	43	45	42	40	30	31	30	40.9
	Miuimum	23	25	42	39	28	29	37	38	33	33	23	23	14	14	5	3	3	7	18	19	20	22	5	2	2	21	39	*30*	17	14	21	21.0
Flat Top	Maximum	54	53	53	46	60	48	46	57	55	38	25	40	28	26	15	16	23	36	43	30	46	35	19	20	38	43	38	34	31	27	27	36.9
	Minimum	26	40	43	40	31	42	40	44	37	25	18	16	9	9	1	−1	4	14	19	19	22	14	1	−4	19	33	34	31	21	9	21	21.8
Gary [3]	Maximum	59	61	59	53	64	56	52	64	58	*43*	38	49	33	34	21	22	32	45	48	39	54	43	*28*	*34*	54	46	45	43	*39*	41	*36*	44.9
	Miuimum	20	20	38	43	35	35	43	43	43	38	30	18	26	15	18	4	3	3	5	13	17	20	*12*	2	*21*	*32*	*36*	39	30	27	25	24.3
Glenville	Maximum	54	58	56	58	59	59	55	61	62	49	37	44	45	29	26	27	31	29	45	47	49	38	29	28	34	44	48	44	42	33	36	43.7
	Minimum	19	23	38	38	29	32	40	42	48	34	26	20	20	14	8	4	3	7	10	29	14	19	5	0	15	32	40	38	25	23	22	23.1
Grafton	Maximum	52	54	55	57	57	59	59	58	58	54	36	41	41	30	31	25	29	34	38	45	46	51	32	26	30	48	49	44	35	31	32	43.1
	Miuimum	14	17	28	32	23	25	32	34	43	26	17	11	10	11	−3	−6	−5	7	5	22	7	17	−3	−7	7	18	33	27	17	17	18	15.9
Hamlin	Maximum	67	62	62	61	60	60	56	62	60	51	40	48	45	31	25	27	32	42	44	52	52	52	43	37	*40*	50	54	*45*	44	36	*38*	47.5
	Miuimum	15	24	44	40	29	34	42	44	51	36	26	20	26	14	9	2	2	5	11	18	14	21	6	0	22	*35*	40	36	22	24	*23*	23.7
Huntington	Maximum	55	63	58	58	62	58	49	61	60	50	42	49	41	30	27	30	26	42	50	45	53	45	31	28	35	49	46	44	37	33	34	45.2
	Minimum	25	30	53	44	32	41	42	45	50	36	28	29	26	19	9	9	8	18	18	28	22	25	12	6	21	35	41	37	23	21	20	27.5
Lewisburg	Maximum	52	57	55	57	58	51	53	61	59	58	36	43	40	32	27	21	31	39	47	39	51	45	30	27	30	43	43	41	38	33	30	42.8
	Minimum	14	22	36	38	29	30	42	39	47	34	24	11	20	8	9	−2	1	4	11	25	18	25	6	−4	12	30	37	35	18	16	10	20.8
Logan [3]	Maximum	52	62	59	56	59	58	53	63	55	*50*	44	50	37	34	27	27	34	41	50	43	52	40	29	30	53	51	45	45	31	39	35	45.3
	Minimum	24	25	40	49	38	38	42	46	50	44	32	25	25	20	18	9	8	8	10	18	20	24	16	7	22	32	42	40	29	25	29	27.6
Madison [3]	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Mannington	Maximum	50	54	50	56	54	56	52	57	57	47	36	40	40	26	22	23	29	37	43	41	48	45	27	25	36	46	46	43	31	31	31	41.3
	Minimum	15	20	31	35	24	25	36	38	47	32	22	17	12	11	0	−2	−1	9	8	27	10	18	−1	−4	8	24	38	30	20	−1	22	18.4
Martinsburg [3]	Maximum	50	60	60	60	55	55	49	60	60	52	*50*	*32*	32	38	20	25	34	45	42	38	48	38	30	28	32	42	55	50	*44*	35	38	43.8
	Minimum	26	32	36	40	39	33	36	32	36	42	25	18	22	15	8	13	12	18	26	33	25	29	15	12	14	21	30	37	17	13	15	24.6
New Martinsville	Maximum	52	57	47	59	60	54	51	56	55	45	39	40	41	30	27	31	35	41	41	43	48	45	28	30	39	46	46	41	32	31	32	42.6
	Miuimum	20	27	37	30	26	30	36	41	41	32	22	22	11	14	4	3	4	13	12	25	15	15	4	0	13	27	36	29	20	4	15	20.3
Parkersburg	Maximum	52	58	53	57	55	56	46	59	52	43	35	44	28	23	21	24	32	40	46	39	48	31	20	26	36	48	45	40	29	30	36	40.4
	Miuimum	27	37	43	33	28	37	38	43	43	33	25	28	17	14	6	6	6	22	19	25	24	16	8	3	21	34	40	25	15	12	23	24.2
Pickens	Maximum	35	51	47	49	50	53	52	56	48	36	25	38	20	24	15	16	20	24	38	33	27	35	18	17	30	37	35	36	31	32	22	33.9
	Minimum	12	13	34	37	31	38	33	35	36	25	11	12	8	1	−5	−12	−8	−5	4	6	−3	9	−3	−7	−3	22	30	27	15	14	11	13.6
Point Pleasant	Maximum	50	58	58	62	55	52	53	57	57	47	37	45	45	29	25	21	32	41	45	45	43	43	32	29	34	46	43	43	34	31	34	42.8
	Minimum	26	44	46	37	30	39	39	42	47	33	27	30	22	18	8	7	8	18	17	27	21	20	8	4	20	33	40	42	39	37	31	29.0
Rainelle	Maximum	54	54	53	52	60	50	50	58	57	45	33	43	38	30	21	19	29	39	44	45	46	50	61	23	33	40	42	39	37	31	29	42.1
	Minimum	15	23	36	42	30	30	39	40	44	32	22	12	17	3	9	−4	−3	−1	6	22	8	23	2	−4	17	31	36	33	22	21	12	19.8
Ravenswood	Maximum	53	58	51	53	57	53	43	60	49	*46*	35	45	30	35	35	17	30	39	45	38	48	30	24	24	33	48	42	*38*	*33*	50	34	40.5
	Minimum	19	26	40	31	26	34	37	40	46	31	25	22	19	13	5	2	2	9	12	27	14	18	2	−1	16	31	38	33	19	7	17	21.3
Romney	Maximum	56	61	59	63	60	49	56	54	62	54	43	47	43	34	31	25	34	46	40	51	58	51	*26*	*30*	*33*	*42*	53	48	35	35	35	45.6
	Minimum	26	27	35	33	37	30	42	29	47	38	24	13	19	18	3	0	15	19	13	12	17	31	*9*	*3*	*9*	*20*	32	34	18	3	12	21.2
Spencer [3]	Maximum	54	58	54	55	58	58	51	61	53	*49*	36	46	28	29	22	24	30	40	48	40	50	33	22	27	40	48	43	*39*	*36*	32	33	41.8
	Minimum	20	38	43	41	29	33	38	41	49	33	25	22	20	12	6	2	3	10	11	26	14	19	4	−1	16	30	39	36	23	13	23	23.2
Summersville	Maximum	54	53	53	62	60	50	50	58	*56*	*46*	32	43	24	27	20	19	28	38	43	35	50	33	23	25	48	48	42	37	*34*	32	29	40.4
	Minimum	14	19	33	43	28	32	40	45	46	32	18	15	19	8	8	−4	−3	−1	8	23	10	23	−2	4	19	*25*	33	34	24	23	20	20.5
Sutton	Maximum	54	56	58	58	60	60	55	62	62	54	38	46	46	28	21	22	30	40	47	47	50	50	36	28	37	49	49	48	42	35	34	45.2
	Minimum	17	21	35	39	30	33	43	42	40	33	27	16	21	12	11	2	1	6	10	26	14	21	5	−1	15	33	40	35	26	21	23	22.6
Wardensville [2]	Maximum	55	60	59	63	61	57	53	62	60	45	*39*	50	28	35	22	25	36	49	52	38	60	40	25	29	32	40	56	43	*35*	37	34	44.5
	Minimum	20	24	32	37	36	27	36	26	34	39	25	12	18	10	2	−2	3	4	10	11	11	19	9	1	7	18	28	35	16	−6	1	17.5
Weston	Maximum	53	58	56	52	60	61	52	60	56	*52*	*38*	43	30	25	20	24	30	40	45	40	50	35	20	30	36	47	43	39	27	31	30	41.4
	Minimum	30	40	38	46	30	38	43	48	50	38	28	24	20	18	10	3	4	20	12	30	22	28	8	0	20	36	40	*27*	25	24	26	26.7
Wheeling [3]	Maximum	48	55	47	55	48	52	42	55	48	38	35	40	26	22	20	25	32	37	44	37	44	35	22	27	41	45	41	41	32	30	29	38.5
	Minimum	24	32	40	30	29	29	37	37	46	35	24	22	14	12	5	5	7	13	18	18	26	21	8	4	5	23	23	36	17	12	15	21.5
Williamson [3]	Maximum	54	60	60	56	57	59	55	63	59	*49*	*43*	49	34	34	25	25	32	41	48	41	53	39	27	31	41	49	46	44	*39*	39	35	44.7
	Minimum	25	24	39	48	36	37	43	48	49	43	32	24	28	21	18	10	9	9	13	21	21	24	16	9	10	31	38	39	30	27	28	27.4

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 2-3-44—925)

557.05
UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. LI PARKERSBURG, W. VA., YEAR 1943 No. 13

GENERAL SUMMARY

The year began with a major flood on hand in the Ohio Valley. Much damage was done to farms, crops, bridges, and highways, while the loss of wages and business in the industrial areas was considerable. At Parkersburg the crest stage of 49.0 feet was the sixth highest stage of record. Destructive flash floods occurred on the 28-29th of July in Brooke, Ohio, Braxton, and Roane Counties. Then on August 4-5th the most disastrous flash flood in the history of central West Virginia occurred in the upper Little Kanawha Valley, causing the deaths of 23 persons and property damage of near $1,300,000.

The abnormally warm weather during the last week in February, followed by below zero temperatures early in March and late frosts and freezes in early May hurt the fruit crop to the extent that the yield was slightly less than 50 per cent of the 10-year average. Continued wet weather in the planting months of April and May hindered seeding of oats, potatoes and corn. However, early hay crops were excellent. Drought conditions began in the northeastern panhandle division and a large part of the southern division in July and continued until the end of September when conditions improved somewhat. However, at the close of the year, a good many areas had received but 40 per cent of the normal precipitation during the period, September 1 to December 31, and wells and other farm water supplies were extremely low.

The year averaged slightly below normal in temperature. The months of March, April and September through December were below normal. June was the warmest month of that name of record. Precipitation for the year was only slightly below normal. A good surplus had been built up before the drought set in.

At no time during the year did ice prevent navigation in the major rivers.—*C.L.W.*

MONTHLY STATE DATA FOR 1943

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Average	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January...	35.6	+3.0	80	−9	3.43	−0.17	13.4	14	6	9	16	w.
February..	34.6	+1.3	76	−13	1.89	−1.20	5.7	11	8	9	11	w.
March.....	40.0	−2.3	85	−17	4.59	+0.69	6.5	12	12	8	11	w.
April.....	47.8	−3.9	85	10	3.84	+0.31	3.5	13	9	10	11	w.
May.....	63.5	+1.7	96	17	4.59	+0.63	T.	15	8	13	10	w.
June.....	75.0	+5.2	102	42	3.64	−0.83	.0	10	15	11	4	w.
July.....	73.4	+0.2	101	34	6.56	+1.90	.0	13	10	13	8	w.
August....	72.3	+0.5	105	38	3.95	−0.18	.0	9	16	9	6	w.
September.	62.5	−3.8	100	26	1.25	−1.62	T.	6	16	8	6	w.
October ...	52.4	−2.3	89	19	2.26	−0.59	0.1	8	15	5	11	w.
November.	41.1	−2.1	83	2	2.12	−0.62	2.3	7	11	8	11	w.
December .	32.1	−2.6	66	−15	1.96	−1.31	3.4	8	10	7	14	w.
Annual....	52.5	−0.5	105	−17	40.08	−2.92	34.9	126	136	110	119	w.

MONTHLY EVAPORATION FOR 1943

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg	Evaporation, inches	3.322	4.617	6.062	5.713	4.593	2.460	1.910
	Wind movement, miles..	2,960	1,744	966	788	716	613	1,395
Wardensville....	Evaporation, inches	.....	4.382	6.395	6.406	6.350	4.652	3.143
	Wind movement, miles..	2,150	1,509	947	1,000	968	960	1,517

KILLING FROSTS—1943

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Bayard	May 6	Sept. 11	McNeill	May 6	Sept. 26
Beckley	May 5	Sept. 18	Middlebourne	May 2	Oct. 5
Benson	May 5	Oct. 4	New Cumberland	May 2	Sept. 27
Bens Run	May 2	Nov. 4	New Martinsville	May 2	Oct. 18
Bluefield	Apr. 16	Oct. 5	Oak Hill	May 3	Oct. 6
Brandonville	May 5	Sept. 18	Parkersburg	Apr. 15	Oct. 20
Brandywine	May 5	Sept. 11	Parsons	May 5	Sept. 27
Brownsville	May 2	Sept. 27	Pickens	May 5	Oct. 5
Buckhannon	May 2	Oct. 17	Piedmont	May 2	Oct. 5
Cairo	May 2	Oct. 4	Pineville	May 2	Sept. 18
Charleston (Airport)	May 2	Oct. 23	Point Pleasant	Apr. 23	Nov. 11
Clarksburg	May 5	Oct. 5	Rainelle	May 5	Sept. 18
Creston	May 2	Oct. 5	Ravenswood	May 2	Oct. 5
Elkins	May 5	Oct. 6	Richwood	May 5	Sept. 18
Fairmont	May 2	Oct. 6	Romney	May 5	Sept. 13
Flat Top	May 5	Sept. 18	Ryan	May 4	Sept. 18
Gary	May 2	Oct. 5	Seneca State Forest	May 5	Sept. 10
Glenville	May 2	Oct. 5	Spencer	May 2	Oct. 5
Grafton	May 5	Oct. 5	Summersville	May 5	Sept. 18
Greenbottom	May 2	Sept. 27	Sutton	May 2	Oct. 5
Hamlin	May 2	Sept. 27	Terra Alta	May 6	Sept. 18
Hinton	May 2	Oct. 6	Union	May 5	Sept. 11
Huntington	Apr. 22	Oct. 6	Valley Chapel	May 2	Oct. 6
Kearneysville	May 2	Oct. 5	Wardensville	May 2	Sept. 13
Lewisburg	May 5	Sept. 18	Wellsburg	May 6	Oct. 5
Logan	May 2	Oct. 18	Weston	May 2	Oct. 5
London Locks	May 2	.....	Wheeling(Dam 12)	Apr. 18	Nov. 4
Madison	Apr. 16	Oct. 5	White Sulphur Spgs.	.....	Sept. 18
Mannington	May 5	Oct. 5	Williamson	May 2	Oct. 18
Martinsburg	May 2	Nov. 5	Winfield Locks	Apr. 29	Nov. 12

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip.01 inch or more	Clear	Partly Cloudy	Cloudy
1891.....	52.0	94	−9	33.90	50.60	42.37	45.96	.....	.....	.....	.....	.....
1892.....	52.3	99	−12	32.70	41.43	37.06	38.33	.....	.....	.....	.....	.....
1893.....	52.0	99	−25	36.26	39.68	41.40	39.82	.....	116	.....	.....	.....
1894.....	53.5	103	−29	34.78	36.51	30.38	34.52	.....	102	155	114	96
1895.....	51.5	107	−21	32.18	31.53	34.38	32.82	.....	100	150	111	104
1896.....	53.6	97	−10	35.43	46.66	41.84	43.49	.....	111	132	128	106
1897.....	53.5	103	−18	35.02	46.15	40.47	41.59	.....	116	141	113	111
1898.....	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899.....	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900.....	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901.....	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902.....	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903.....	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904.....	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905.....	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906.....	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907.....	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908.....	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909.....	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910.....	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911.....	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912.....	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913.....	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914.....	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915.....	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916.....	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917.....	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918.....	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919.....	54.0	104	**−16**	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920.....	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921.....	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922.....	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923.....	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924.....	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925.....	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926.....	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927.....	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928.....	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929.....	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930.....	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931.....	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932.....	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933.....	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934.....	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935.....	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936.....	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937.....	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938.....	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939.....	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940.....	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
1941.....	53.4	105	−11	29.51	39.45	33.72	35.97	27.8	115	145	106	114
1942.....	53.0	103	−23	43.95	50.84	47.24	48.42	41.9	136	120	114	131
1943.....	52.5	105	−17	30.89	44.05	38.99	40.08	34.9	126	136	110	119
Period.....	53.0	112	−37	37.06	45.19	42.72	43.00	34.1	123	145	95	125

Climatological Data for the Year 1943

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	45.7	91	Jan. 25†	−15	Dec. 16	39	42.99	11.47	July	0.73	Sept.	68.4	141	175	82	108	w.
Brandywine	Pendleton	1,586	28	52.1	95	Aug. †14	−8	Dec. 16	28	30.31	7.45	July	0.47	Nov.	27.0	80	216	37	112	n.
Harpers Ferry	Jefferson	400	....	....	...	.....	....	.....	55	35.69	4.96	June	0.45	Dec.	....	114	...	...	...	.....
Kearneysville	Jefferson	548	13	54.2	102	Aug. 14	2	Feb. 15†	14	29.61	4.29	Oct.	0.56	Sept.	....	87	130	166	69	nw.
Martinsburg	Berkeley	435	46	54.8	105	Aug. 10	0	Feb. 15	52	30.74	4.32	May	0.47	Sept.	30.5	112	...	...	...	w.
McNeill	Hardy	800	10	52.3	99	Aug. 9†	−11	Dec. 14	10	26.45	3.56	Jan.	0.29	Feb.	31.0	86	127	107	131	w.
Petersburg	Grant	.....	5	54.2	97	June 28†	−3	Dec. 30	5	25.57	6.76	July	0.48	Feb.	23.0	100	76	177	112	w.
Piedmont	Mineral	1,053	30	51.8	98	Aug. 12	−1	Feb. 16	29	25.10	3.87	Jan.	0.12	Sept.	34.2	112	131	102	132	w.
Romney	Hampshire	824	45	53.1	100	Aug. 12	−1	Feb. 15	44	29.75	5.45	Oct.	0.97	Dec.	30.0	90	146	84	135	.....
Spruce Knob	Pendleton	4,550	....	....	...	.....	....	.....	12	43.21	9.23	July	0.93	Sept.	100.3	151	...	...	...	.....
Stony River Dam	Grant	3,300	....	....	...	.....	....	.....	24	38.70	7.31	July	0.80	Sept.	85.3	133	59	83	223	w
Wardensville	Hardy	1,200	26	51.3	100	June 13	−6	Dec. 30	25	27.19	3.62	Oct.	0.27	Sept.	30.5	108	...	...	...	w.
Northern Division																				
Aberdeen	Upshur	1,060	....	....	...	.....	....	.....	20	45.51	9.09	July	1.27	Sept.	33.0	137	58	171	136	w.
Benson	Harrison	1,080	19	52.7	97	June 24	−15	Mar. 4	19	48.95	9.46	July	1.42	June	61.9	144	124	163	78	.....
Bens Run	Pleasants	652	43	54.2	98	June 27	−5	Mar. 4	43	40.78	8.41	May	1.03	Sept.	25.5	119	242	64	59	.....
Brandonville	Prestou	1,798	3	47.7	91	June 24†	−10	Feb. 16†	3	45.11	7.00	July	1.68	Dec.	50.2	130	...	...	...	.....
Brownsville	Lewis	1,032	20	54.1	98	July 28	−12	Mar. 4	20	39.96	7.57	July	0.87	Sept.	34.4	131	131	129	105	s.
Buckhannon	Upshur	1,411	49	51.9	90	June 26†	−5	Mar. 4	53	47.21	7.69	July	1.38	Sept.	28.5	118	171	103	91	.....
Cairo	Ritchie	680	38	53.4	95	June 28	−13	Mar. 4	34	43.65	8.46	July	1.01	Sept.	28.6	126	121	147	97	.....
Clarksburg	Harrison	1,015	21	50.4	93	June 24†	−8	Mar. 4	21	40.23	9.01	July	0.90	Sept.	41.2	134	149	102	114	w.
Crawford	Lewis	1,107	....	....	...	.....	....	.....	20	46.09	8.65	July	1.48	Sept.	28.9	140	130	120	115	w.
Creston	Wirt	640	43	54.7	95	Sept. 1†	−13	Mar. 4	43	42.98	6.55	July	1.06	Sept.	28.6	141	105	157	103	.....
Dam 10 Mon. R.	Monongalia	826	....	....	..	.....	....	.....	22	35.71	5.30	May	1.23	Dec.	27.5	155	...	...	...	.....
Dam 13 O. R.	Marshall	655	....	....	...	.....	....	.....	28	45.18	9.48	July	0.91	Sept.	....	136	...	...	...	.....
Dam 15 Mon. R.	Marion	882	....	....	...	.....	....	.....	22	44.45	6.89	May	1.13	Sept.	28.0	129	...	...	...	.....
Dam 19 O. R.	Wood	600	....	....	...	.....	....	.....	27	33.04	5.73	July	0.71	Sept.	13.9	128	...	...	...	.....
Dam 20 O. R.	Wood	600	....	....	...	.....	....	.....	27	39.80	6.33	July	0.77	Sept.	17.4	116	...	...	...	.....
Elizabeth	Wirt	615	....	....	...	.....	....	.....	34	39.04	6.39	July	0.49	Sept.	19.0	101	...	...	...	.....
Elkins	Randolph	1,927	45	50.2	90	June 28	−4	Feb. 15	45	43.85	9.35	July	1.54	Oct.	49.9	161	72	93	200	w.
Fairmont	Marion	883	39	52.9	95	June 27†	−3	Mar. 4	52	42.18	5.88	May	1.13	Sept.	46.8	141	146	77	142	w.
Glenville	Gilmer	738	50	55.6	98	June 25	−11	Mar. 4	56	50.22	7.66	July	1.33	Sept.	24.5	141	124	162	79	w.
Grafton	Taylor	1,050	50	50.0	94	June 24†	−13	Mar. 4	48	40.53	7.45	July	1.05	Sept.	53.4	148	162	78	125	.....
Harrison Co. Airport	Harrison	1,184	4	51.6	94	June 24†	−1	Feb. 14†	4	37.41	6.54	July	1.47	Sept.	33.6	154	78	134	158	s.
Hastings	Wetzel	809	....	....	...	.....	....	.....	9	46.36	7.37	May	0.74	Sept.	29.9	154	119	142	104	w.
Horner	Lewis	1,044	....	....	...	.....	....	.....	20	42.35	7.63	July	0.94	Oct.	....	109	...	...	...	.....
Jane Lew	Lewis	1,020	....	....	...	.....	....	.....	20	49.08	12.70	July	1.50	June	27.1	146	...	...	...	.....
Mannington	Marion	974	42	51.3	91	June 25†	−17	Mar. 4	42	45.34	6.14	June	0.98	Sept.	44.3	165	124	112	129	w.
Middlebourne	Tyler	750	3	51.5	95	Juue 27†	−14	Mar. 4†	3	41.79	8.48	July	0.65	Sept.	19.6	113	140	77	148	sw.
New Cumberland	Hancock	671	49	51.7	96	June 24	−5	Feb. 16	46	33.96	8.50	July	0.77	Dec.	.. .	131	91	65	209	nw.
New Martinsville	Wetzel	637	51	53.5	96	June 27	−12	Mar. 4	50	41.51	8.43	May	0.71	Sept.	19.1	112	191	91	83	sw.
Parkersburg	Wood	615	59	54.0	95	Sept. 1	−3	Mar. 4	59	34.18	6.29	July	0.67	Sept.	25.6	142	129	93	143	se.
Parsons	Tucker	1,649	45	51.6	101	June 27	−7	Dec. 16	45	43.52	7.93	July	0.97	Sept.	43.5	156	...	...	...	nw.
Philippi	Barbour	1,300	....	....	...	.....	....	.....	51	41.69	7.53	Aug.	0.86	Sept.	45.5	160	...	...	...	.....
Pickens	Randolph	2,760	54	45.5	88	June 27†	−12	Mar. 4†	54	67.72	15.51	July	1.68	Sept.	129.0	152	130	120	115	w.
Roanoke	Lewis	1,050	....	....	...	.....	....	.....	20	44.64	8.08	July	1.00	Sept.	25.5	134	125	106	134	.....
Rowlesburg	Preston	1,375	2	51.5	95	June 23†	−3	Feb. 15†	59	48.81	8.19	July	1.19	Sept.	44.8	145	89	27	249	nw.
Saint Marys	Pleasants	625	....	....	...	.....	....	.....	33	41.56	6.73	May	0.98	Sept.	.....	132	...	...	...	.....
Shinnston	Harrison	910	....	....	...	.....	....	.....	7	36.32	7.01	July	0.92	Oct.	42.0	101	218	85	62	.....
Terra Alta	Preston	2,559	....	....	...	.....	....	.....	40	49.26	9.40	July	1.33	Sept.	....	...	...	...	...	.....
Thomas	Tucker	3,000	....	....	...	.....	....	.....	15	49.00	8.10	July	1.05	Sept.	86.2	133	...	...	...	.....
Valley Chapel	Lewis	1,011	20	53.8	95	June 24†	−11	Mar. 4	20	44.72	8.23	July	1.96	Oct.	40.9	144	111	142	112	w.
Vandalia	Lewis	1,120	....	....	...	.....	....	.....	20	43.16	8.71	July	1.76	Oct.	30.0	105	...	...	...	.....
Wellsburg (near)	Brooke	668	44	50.9	98	June 24	−11	Mar. 4	51	39.98	9.33	July	1.05	Dec.	14.5	97	144	110	111	.....
West Milford	Harrison	979	....	....	...	.....	....	.....	18	47.03	9.75	July	1.19	Sept.	35.8	150	...	...	...	.....
Weston	Lewis	1,026	50	55.2	99	June 27	−6	Mar. 4	53	46.90	11.33	July	1.06	Sept.	34.7	167	...	...	...	.....
Wheeling (Dam 12)	Ohio	659	36	51.5	94	June 24†	0	Feb. 15†	60	40.80	9.18	July	1.07	Dec.	23.6	128	111	99	155	sw.
Southern Division																				
Arbovale	Pocahontas	2,727	....	....	...	.....	....	.....	21	38.35	6.37	June	1.37	Sept.	45.2	124	147	125	93	w.
Beckley	Raleigh	2,440	40	52.4	90	June 25	−5	Feb. 15†	40	37.99	5.20	Mar.	1.41	Sept.	46.1	126	162	134	69	.....
Bluefield	Mercer	2,558	45	54.3	92	Aug. 25	−1	Feb. 15	49	37.74	8.41	July	1.16	Aug.	45.1	141	160	89	116	.....
Camden-on-Gauley	Webster	2,029	....	....	...	.....	....	.....	25	50.69	7.33	Aug.	1.93	Feb.	53.0	150	...	...	...	.....
Charleston	Kanawha	602	41	....	...	.....	....	.....	58	36.84	6.30	Mar.	1.04	Sept.	...	..	...	...	...	.....
Charleston(Airport)	Kanawha	606	6	54.3	96	Sept. 1	−5	Mar. 4	6	41.44	6.75	Mar.	1.23	Sept.	17.3	141	82	138	145	n.
Clay	Clay	790	....	....	...	.....	....	.....	30	40.70	5.81	Mar.	1.07	Sept.	26.9	142	...	...	...	.....
Flat Top	Mercer	3,270	6	48.4	86	Aug. 11†	−7	Feb. 15	6	43.20	7.87	June	1.70	Sept.	47.9	154	116	128	121	nw.
Gary	McDowell	1,426	24	53.8	94	Aug. 14†	−2	Mar. 5	27	34.29	4.93	July	1.28	Sept.	9.7	123	...	...	...	.....
Hamlin	Lincoln	642	....	....	...	.....	....	.....	1	36.24	6.00	Mar.	1.39	Sept.	....	...	...	...	...	.....
Hinton	Summers	1,431	46	55.1	100	Aug. 13†	1	Feb. 15	55	32.52	4.19	May	1.04	Sept.	9.5	125	...	...	...	.....
Hogsett	Mason	564	....	....	...	.....	....	.....	28	38.91	5.94	May	1.35	Nov.	12.4	122	...	...	...	.....
Huntington	Cabell	571	47	57.8	101	Aug. 25	5	Feb. 15†	48	38.22	7.01	June	1.27	Aug.	26.8	126	92	139	134	sw.
Kayford	Kanawha	1,335	....	....	...	.....	....	.....	27	36.99	5.84	Mar.	1.20	Sept.	26.1	109	...	...	...	.....
Lewisburg	Greenbrier	2,200	44	51.3	95	Aug. 11	−4	Dec. 24	50	31.65	4.76	May	1.01	Sept.	25.2	110	130	162	73	w.
Logan	Logan	700	17	56.6	102	Aug. 25	0	Mar. 4†	31	35.49	6.34	Mar.	1.09	Sept.	10.2	124	96	129	140	.....
London Locks	Kanawha	623	9	53.2	95	June 27	0	Mar. 4†	9	40.67	5.81	Mar.	1.09	Sept.	15.3	139	...	...	...	.....
Madison	Boone	675	22	54.5	96	Aug. 25	−6	Mar. 4	23	35.60	5.11	Mar.	1.05	Sept.	...	112	155	142	68	.....
Oak Hill	Fayette	1,950	2	50.8	90	June 28†	−5	Mar. 4†	2	36.87	5.25	Mar.	1.05	Sept.	24.5	125	...	...	...	.....
Pineville	Wyoming	1,350	2	55.1	98	June 27†	−3	Mar. 4	2	39.79	6.53	July	1.34	Sept.	....	117	...	...	...	.....
Point Pleasant	Mason	595	50	55.9	97	Sept. 1†	−1	Mar. 4	54	42.58	7.54	July	1.26	Nov.	15.3	122	...	...	...	sw.
Rainelle	Greenbrier	2,424	13	49.9	97	Aug. 12	−10	Mar. 4	13	45.71	6.41	Mar.	1.50	Sept.	86.6	164	145	61	159	.....
Ravenswood(Dam 22)	Jackson	584	21	53.2	94	June 5	−9	Mar. 4	29	38.66	7.99	July	0.41	Sept.	....	110	118	73	174	sw.
Richwood	Nicholas	2,193	13	50.4	92	Aug. 11	−5	Mar. 4	13	48.76	6.91	Aug.	0.75	Sept.	....	133	173	52	140	.....
Ryan	Roane	700	42	51.9	95	Aug. 14†	−17	Mar. 4	41	39.46	6.18	July	0.87	Nov.	26.2	145	121	147	97	.....
Seneca State Forest	Pocahontas	2,650	5	48.1	...	.....	−12	Feb. 16	5	43.12	7.36	June	1.08	Sept.	32.9	168	191	81	93	w.
Spencer	Roane	789	44	53.5	94	June 25†	−13	Mar. 4	45	48.80	8.64	July	1.27	Sept.	35.5	138	90	156	119	.....
Sutton	Braxton	850	41	55.2	96	June 27†	−10	Mar. 4	41	47.41	8.05	July	1.01	Sept.	35.6	125	...	...	...	.....
Union	Monroe	2,200	40	50.8	96	Aug. 25	−4	Dec. 24†	39	30.22	4.45	May	0.76	Sept.	....	102	...	...	...	.....
Wayne	Wayne	598	....	....	...	.....	....	.....	19	40.00	6.07	Mar.	1.35	Oct.	17.9	125	...	...	...	.....
Webster Springs	Webster	1,500	11	54.3	91	June 14†	−1	Mar. 4	12	50.68	9.96	July	1.18	Sept.	32.5	111	143	129	93	n.
White Sulphur Springs	Greenbrier	1,914	31	51.5	...	.....	....	.....	30	38.19	6.16	July	1.00	Sept.	16.5	114	89	184	92	.....
Williamson	Mingo	673	42	56.3	98	Aug. 14	3	Mar. 4	43	31.87	6.34	Mar.	1.13	Aug.	15.0	126	140	122	103	se.
Winfield Locks	Putnam	571	6	54.9	97	Aug. 25	3	Mar. 4	6	38.31	6.70	July	0.93	Sept.	14.5	122	148	73	144	sw.
State averages and extremes				**52.5**	**105**	**Aug. 10**	**−17**	**Mar. 4**	..	**40.08**	**15.51**	**July**	**0.12**	**Sept.**	**34.9**	**126**	**136**	**110**	**119**	w.

† Also on other dates. * Also other months.

Monthly and Annual Precipitation for the Year 1943, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	4.70	+0.20	2.31	−1.19	2.91	−1.60	3.86	+0.02	3.79	−0.51	2.82	−2.31	11.47	+7.23	4.65	+0.27	0.73	−2.58	1.88	−1.38	2.18	−0.82	1.69	−2.15	42.99	−4.82
Brandywine	2.40	+0.06	1.27	−0.49	3.20	+0.73	2.85	+0.18	3.33	+0.75	*3.90*	*+0.02*	7.45	+3.88	1.80	−1.78	0.91	−1.47	1.62	−0.75	.47	−1.31	0.61	−1.49	30.31	−1.67
Brushy Run	3.15	.....	.42	.....	3.26	.....	2.21	.....	4.35	.....	2.92	.....	5.37	.....	1.14	.....	0.88	.....	1.85	.....	1.22	.....	0.98	.....	27.75	.....
Harpers Ferry	2.65	−0.06	1.73	−0.53	4.19	+1.14	3.23	−0.02	4.37	+0.93	4.96	+1.31	3.91	+0.41	1.76	−2.23	1.05	−1.61	3.50	+0.24	3.89	+1.70	0.45	−2.16	35.69	−0.88
Inwood	2.40	.....	1.86	.....	4.47	.....	3.73	.....	2.87	.....	1.93	.....	5.65	.....	1.11	.....	0.45	.....	3.73	.....	2.42	.....	1.00	.....	31.62	.....
Kearneysville	3.37	+0.59	1.31	−1.05	3.47	+0.15	3.27	−0.01	4.08	+0.59	1.60	−2.03	3.25	+0.06	.98	−2.77	0.56	−2.77	4.29	+1.03	2.31	−0.29	1.12	−1.29	29.61	−7.79
Knobly Mountain	2.76	.....	.79	.....	1.90	.....	2.53	.....	3.06	.....	1.92	.....	3.24	.....	2.65	.....	0.29	.....	3.29	.....	1.45	.....	1.10	.....	24.98	.....
Martinsburg	3.43	+0.92	1.65	−0.75	3.70	+0.44	3.47	+0.36	4.32	+0.93	2.17	−1.97	2.69	−0.93	1.54	−2.52	0.47	−2.45	3.92	+0.85	2.31	+0.06	1.07	−1.69	30.74	−6.75
McNeill	3.56	+1.18	.29	−1.84	2.71	+0.12	2.08	−0.88	2.98	−0.25	2.58	−1.02	3.33	+0.30	3.07	+0.08	0.57	−1.71	2.63	+0.32	1.15	−0.40	1.50	−0.56	26.45	−4.66
Petersburg	3.49	.....	.48	.....	2.63	.....	*2.65*	.....	2.61	.....	1.10	.....	6.76	.....	1.35	.....	0.59	.....	1.96	.....	.90	.....	1.05	.....	25.57	.....
Piedmont	3.87	+1.29	.60	−1.64	2.37	−0.61	3.29	+0.28	2.72	−0.93	1.45	−2.55	3.75	+0.27	1.41	−2.18	0.12	−2.29	2.65	0.00	1.78	−0.11	1.09	−1.32	25.10	−9.79
Romney	2.69	+0.30	1.06	−0.84	2.45	−0.41	2.98	+0.01	2.85	−0.68	1.96	−1.86	4.57	+1.09	2.18	−1.43	1.36	−1.32	5.45	+2.90	1.23	−0.55	0.97	−1.28	29.75	−4.07
Spruce Knob	2.72	−0.30	1.89	−0.87	4.67	+0.79	2.73	−0.85	5.91	+0.82	5.67	+1.04	9.23	+3.86	2.42	−3.23	0.93	−2.44	2.26	−1.07	2.80	+0.42	1.98	−0.41	43.21	−2.24
Stony River Dam	4.04	+1.23	1.83	−1.02	2.83	−0.52	3.68	−0.07	4.87	+0.27	2.17	−1.85	7.31	+3.17	3.81	−0.77	0.80	−1.98	2.63	−0.57	1.82	−1.13	2.91	−0.33	38.70	−3.57
Wardensville	3.08	+0.95	.51	−1.20	2.88	+0.68	2.86	+0.35	3.23	+0.27	3.20	+0.20	3.20	+0.10	1.60	−2.03	0.27	−2.32	3.62	+0.46	1.81	+0.18	0.93	−0.81	27.19	−3.17
Northern Division																										
Aberdeen	4.10	+0.70	1.99	−1.11	4.75	+0.96	4.22	+0.42	4.26	+0.39	2.68	−1.68	9.09	+4.30	6.65	+2.17	1.27	−2.04	1.73	−1.81	2.94	−0.40	1.83	−1.17	45.51	+0.73
Belington	4.36	.....	2.27	.....	4.43	.....	3.45	.....	4.18	.....	3.43	.....	10.96	.....	6.47	.....	3.14	.....	1.94	.....	2.95	.....	1.77	.....	49.35	.....
Benson	4.75	+1.14	2.10	−1.61	5.23	+1.77	5.39	+2.18	5.47	+1.54	1.42	−2.89	9.46	+4.31	5.62	+1.17	2.18	−1.45	2.88	−0.68	2.29	−1.20	2.16	−1.33	48.95	+2.95
Bens Run	2.77	−1.21	1.35	−1.76	4.10	+0.06	4.26	+0.70	8.41	+4.41	3.05	−1.17	5.21	+0.68	4.58	+0.34	1.03	−1.56	2.63	−0.39	1.66	−1.23	1.73	−1.83	40.78	−2.96
Big Skin Creek	4.40	.....	2.08	.....	5.31	.....	3.64	.....	4.30	.....	2.87	.....	7.63	.....	4.87	.....	1.58	.....	1.77	.....	2.33	.....	2.00	.....	42.78	.....
Brandonville	3.81	.....	2.84	.....	2.91	.....	4.65	.....	6.65	.....	2.90	.....	7.00	.....	5.15	.....	1.91	.....	2.89	.....	2.72	.....	1.68	.....	45.11	.....
Brownsville	4.31	+0.72	1.76	−1.31	4.89	+1.42	4.00	+0.64	3.90	−0.33	2.51	−1.80	7.57	+2.77	4.08	−0.19	0.87	−2.88	1.42	−2.00	2.67	−1.00	1.98	−1.34	39.96	−5.30
Buckhannon	4.49	+0.09	2.90	−0.86	5.23	+0.72	4.05	+0.16	3.62	−0.81	4.30	−0.41	7.69	+2.97	6.07	+1.98	1.38	−1.58	1.97	−1.17	3.66	+0.56	1.85	−2.33	47.21	−0.68
Cairo	3.66	−0.29	1.63	−1.34	4.32	+0.50	4.86	+1.40	5.22	+1.80	3.24	−1.27	8.46	+4.04	5.48	+1.61	1.01	−1.79	1.88	−1.04	1.86	−1.02	2.03	−1.42	43.65	+1.18
Clarksburg	3.67	+0.36	1.88	−1.16	4.23	+1.21	3.78	+0.41	3.70	+0.02	2.14	−2.13	9.01	+4.93	5.17	+0.69	0.90	−2.70	1.85	−1.28	2.26	−0.93	1.64	−1.44	40.23	−2.02
Crawford	3.67	+0.19	2.09	−1.23	5.24	+0.91	3.22	−1.01	4.36	−0.13	3.86	−0.91	8.65	+3.51	6.98	+2.40	1.48	−2.26	1.82	−1.67	2.55	−1.09	2.17	−1.42	46.09	−2.71
Creston	4.11	+0.18	2.30	−0.89	5.34	+1.24	4.86	+1.20	4.15	+0.44	4.12	−0.26	6.55	+2.33	5.26	+1.40	1.06	−1.63	1.91	−1.24	1.66	−1.09	1.66	−1.81	42.98	−0.13
Dailey	4.00	.....	1.77	.....	4.58	.....	2.80	.....	3.92	.....	3.11	.....	7.62	.....	2.90	.....	1.41	.....	1.83	.....	2.26	.....	1.68	.....	37.88	.....
Dam 10, Mon. R.	3.45	+0.26	1.40	−1.47	3.25	−0.52	3.69	+0.22	5.30	+1.23	2.78	−1.56	4.79	+0.71	4.41	+0.35	1.56	−1.96	1.88	−1.29	1.87	−1.28	1.33	−2.09	35.71	−7.40
Dam 13, O. R.	2.18	−0.95	2.13	−0.30	3.60	+0.17	4.04	+0.72	8.49	+5.07	3.11	−0.72	9.48	+5.12	5.04	+1.67	0.91	−2.07	3.27	+0.58	1.74	−0.64	1.19	−1.79	45.18	+6.86
Dam 15, Mon. R	4.24	+1.02	1.65	−1.34	3.76	+0.62	4.00	+0.71	6.89	+3.29	6.41	+2.42	5.72	+1.79	5.19	+1.06	1.13	−2.06	2.01	−1.23	2.19	−1.10	1.26	−1.87	44.45	+3.31
Dam 19, O. R.	2.53	−0.88	1.47	−1.10	4.35	+0.81	3.57	+0.39	5.72	+2.30	1.94	−1.98	5.73	+1.80	2.57	−1.09	0.71	−1.95	1.66	−0.99	1.13	−1.51	1.66	−1.47	33.04	−5.67
Dam 20, O. R.	2.51	−1.11	2.05	−0.71	4.62	+0.91	4.39	+1.15	4.61	+1.15	4.50	+0.51	6.33	+2.40	4.42	+0.63	0.77	−1.82	1.68	−1.07	1.75	−0.85	2.17	−0.97	39.80	+0.22
Elizabeth	3.80	+0.03	1.86	−1.00	4.74	+0.99	4.82	+1.65	4.13	+0.70	3.79	−0.42	6.39	+1.99	3.19	−0.81	0.49	−2.10	2.09	−0.83	1.64	−0.90	2.10	−1.03	39.04	−1.73
Elk	3.75	.....	2.00	.....	5.76	.....	3.80	.....	3.16	.....	1.49	.....	7.77	.....	5.10	.....	0.79	.....	1.58	.....	2.94	.....	1.78	.....	39.92	.....
Elkins	4.12	+0.34	2.12	−0.96	4.75	+0.95	3.86	+0.24	3.72	−0.33	3.37	−1.69	9.35	+3.97	4.39	+0.53	2.30	−0.85	1.54	−1.37	2.47	−0.31	1.86	−1.60	43.85	−1.08
Fairmont	4.50	+0.57	1.46	−1.56	4.05	+0.08	3.93	+0.66	5.88	+2.00	5.56	+1.15	5.63	+1.23	4.61	+0.61	1.13	−1.82	1.85	−1.26	1.95	−0.81	1.63	−1.86	42.18	−1.01
Glenville	4.14	−0.29	2.51	−1.06	5.61	+1.32	4.91	+1.15	4.59	+0.47	3.88	−0.51	7.66	+2.79	7.52	+3.29	1.33	−1.89	2.88	−0.33	2.84	−0.21	2.35	−1.58	50.22	+3.15
Grafton	4.50	+0.93	1.98	−0.93	3.84	+0.08	4.32	+1.03	4.48	+0.80	3.42	−0.71	7.45	+3.37	3.82	+0.11	1.05	−1.56	1.63	−1.33	2.60	+0.17	1.44	−1.64	40.53	+0.32
Hackers Creek	2.61	.....	1.86	.....	4.39	.....	4.09	.....	3.43	.....	1.54	.....	12.07	.....	6.47	.....	2.63	.....	1.74	.....	2.58	.....	1.62	.....	45.03	.....
Hall	4.24	.....	2.52	.....	4.71	.....	3.37	.....	3.76	.....	5.36	.....	10.28	.....	4.51	.....	1.30	.....	2.31	.....	3.53	.....	2.09	.....	47.98	.....
Harrison County Airp't.	3.18	.....	1.74	.....	4.11	.....	3.80	.....	3.56	.....	3.18	.....	6.54	.....	4.52	.....	1.47	.....	1.48	.....	2.31	.....	1.52	.....	37.41	.....
Hastings	3.64	.....	2.26	.....	4.29	.....	4.79	.....	7.37	.....	4.34	.....	4.93	.....	6.44	.....	0.74	.....	3.22	.....	2.45	.....	1.89	.....	46.36	.....
Horner	4.12	+0.09	1.93	−1.72	4.04	+0.28	3.83	+0.47	4.65	−0.02	2.86	−1.44	7.63	+2.83	6.32	+1.44	1.50	−2.03	0.94	−2.75	2.68	−1.11	1.85	−1.68	42.35	−5.64
Ireland	3.34	.....	2.25	.....	5.11	.....	3.18	.....	5.29	.....	3.92	.....	8.90	.....	6.74	.....	1.43	.....	2.26	.....	2.29	.....	1.99	.....	46.70	.....
Jane Lew	4.34	+1.08	2.13	−0.64	4.81	+1.55	4.25	+0.60	3.95	−0.65	1.50	−2.57	12.70	+7.76	6.46	+1.61	2.08	−1.16	1.75	−1.57	3.04	−0.28	2.07	−1.01	49.08	+4.72
Kumbrabow St. Forest	5.64	.....	4.55	.....	6.76	.....	6.35	.....	6.58	.....	5.91	.....	*11.40*	.....	4.91	.....	1.42	.....	2.59	.....	4.09	.....	3.95	...	64.15	.....
Mannington	3.95	−0.17	1.98	−0.92	4.14	+0.11	4.59	+0.89	5.51	+1.50	6.14	+1.86	5.55	+0.76	5.83	+1.75	0.98	−2.41	2.19	−0.98	2.54	−0.50	1.94	−1.63	45.34	+0.26
Middlebourne	2.89	.....	1.36	.....	3.74	.....	3.91	.....	6.04	.....	3.55	.....	8.48	.....	5.10	.....	0.65	.....	2.19	.....	1.82	.....	2.06	.....	41.79	.....
Midvale	3.27	.....	2.47	.....	4.88	.....	4.05	.....	4.29	.....	3.04	.....	12.18	.....	5.18	.....	2.45	.....	2.10	.....	3.02	.....	2.34	.....	49.27	.....
Morgantown	.....	.....	.....	.....	3.35	−0.04	.....	.....	.....	.....	.....	.....	3.64	−0.74	3.77	−0.24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Mt. Clare	3.41	.....	1.77	.....	4.43	.....	4.31	.....	5.19	.....	2.29	.....	8.58	.....	5.74	.....	1.21	.....	1.85	.....	2.62	.....	1.65	.....	43.05	.....
New Cumberland	1.80	−1.04	1.50	−0.94	3.74	+0.50	3.44	+0.16	4.29	+0.89	2.81	−1.74	8.50	+4.42	1.47	−1.92	0.98	−1.93	2.98	+0.26	1.68	−0.64	0.77	−1.99	33.96	−3.97
New Martinsville	1.93	−2.05	1.87	−0.97	4.01	+0.22	4.99	+1.49	8.43	+4.76	2.46	−1.65	6.16	+1.67	5.14	+1.25	0.71	−2.32	2.58	−0.54	1.59	−1.25	1.64	−1.92	41.51	−1.31
Parkersburg	2.41	−1.17	1.57	−1.56	4.08	+0.59	4.06	+0.87	5.53	+2.15	2.39	−1.61	6.29	+2.00	2.98	−0.53	0.67	−2.09	1.29	−1.19	1.23	−1.34	1.68	−1.35	34.18	−5.23
Parsons	5.03	+0.42	2.97	−0.55	4.29	+0.08	4.39	+0.63	3.16	−0.97	3.86	−1.13	7.93	+2.84	5.03	+0.98	0.97	−2.18	1.36	−1.91	2.65	−0.28	1.88	−2.17	43.52	−4.24
Philippi	4.06	−0.08	1.84	−1.34	4.26	+0.12	3.85	+0.13	3.86	−0.41	3.15	−1.54	5.40	+0.67	7.53	+3.29	0.86	−2.44	2.04	−1.10	3.33	+0.40	1.51	−2.26	41.69	−4.56
Pickens	5.87	−0.45	3.73	−1.36	6.97	+1.06	5.28	+0.09	5.47	+0.22	6.66	+0.86	15.51	+9.47	7.52	+2.05	1.68	−2.42	2.67	−1.37	2.44	−1.78	3.92	−1.46	67.72	+4.91
Roanoke	4.38	+0.78	2.10	−1.28	5.20	+1.58	3.81	+0.23	3.91	−0.45	3.78	−0.53	8.08	+3.19	6.05	+1.71	1.00	−2.40	1.60	−1.82	2.39	−0.98	2.34	−1.03	44.64	−1.00
Rockford	4.29	.....	1.59	.....	4.81	.....	3.97	.....	4.61	.....	1.60	.....	10.04	.....	6.75	.....	1.54	.....	1.90	.....	2.91	.....	1.86	.....	45.87	.....
Rowlesburg	4.75	−0.16	3.58	−0.07	4.42	−0.43	5.19	+1.00	5.21	+0.58	2.26	−3.11	8.19	+2.99	7.02	+2.49	1.19	−2.29	2.30	−2.05	2.99	−0.56	1.71	−2.67	48.81	−4.28
St. Marys	3.17	−0.57	1.97	−0.96	4.34	+0.42	4.59	+1.17	6.73	+3.22	2.55	−1.62	5.75	+1.59	5.14	+1.05	0.98	−1.72	2.48	−0.38	1.72	−1.08	2.14	−1.20	41.56	−0.08
Salem	2.92	.....	1.46	.....	4.61	.....	4.86	.....	4.45	.....	2.18	.....	5.46	.....	5.28	.....	2.26	.....	2.51	.....	1.70	.....	1.72	.....	39.41	.....
Shinnston	3.99	.....	1.15	.....	3.21	.....	3.14	.....	4.97	.....	3.27	.....	7.01	.....	4.49	.....	1.53	.....	0.92	.....	1.00	.....	1.64	.....	36.32	.....
Terra Alta	*4.60*	*−0.28*	*2.90*	*−0.69*	4.14	−0.30	5.32	+1.22	*5.10*	*+0.12*	3.82	−2.36	*9.40*	*+4.16*	*5.90*	*+0.49*	1.33	−2.38	2.25	−1.64	*2.50*	*−0.72*	*2.00*	*−2.74*	49.26	−4.70
Thomas	5.16	+1.18	3.92	+0.36	4.85	−0.26	4.81	+0.63	4.41	−0.84	4.10	−1.01	8.10	+1.61	5.46	+0.37	1.05	−2.95	1.21	−3.03	3.41	+0.42	2.52	−1.33	49.00	−4.85
Valley Chapel	4.15	+0.61	1.98	−1.09	5.04	+1.35	4.64	+1.23	4.50	+0.61	2.34	−1.41	8.23	+3.30	4.80	+0.64	2.15	−1.17	1.96	−1.45	2.80	−0.47	2.13	−1.09	44.72	+1.06
Valley Head	4.08	.....	2.50	.....	5.10	.....	2.95	.....	4.98	.....	4.17	.....	11.09	.....	3.87	.....	0.74	.....	2.13	.....	2.80	.....	2.74	.....	47.15	.....
Vandalia	3.90	+0.83	1.82	−1.20	4.92	+1.72	2.86	−0.84	5.28	+1.70	3.37	−0.44	8.71	+3.55	4.67	+0.47	2.01	−1.26	1.76	−1.21	1.78	−1.60	2.08	−0.32	43.16	+1.40
Wellsburg	2.37	−0.68	1.69	−0.50	3.58	+0.39	3.62	+0.46	5.10	+1.90	2.80	−1.34	9.33	+5.15	4.99	+1.43	1.09	−1.90	3.10	+0.38	1.26	−1.31	1.05	−1.86	39.98	+2.12
West Milford	3.77	+0.70	2.31	−1.02	4.69	+1.15	4.44	+0.62	5.66	+1.93	2.44	−1.83	9.75	+5.10	6.12	+1.50	1.19	−2.08	2.04	−2.18	2.61	−1.00	2.01	−1.07	47.03	+1.82
Weston	4.29	+0.18	2.45	−1.15	4.80	+0.52	3.58	+0.07	4.97	+1.13	2.71	−1.63	11.33	+6.91	4.62	+0.92	1.06	−1.57	1.85	−0.96	3.14	+0.20	2.10	−1.53	46.90	+3.09
Wheeling (Dam 12)	2.10	−0.94	1.82	−0.47	3.55	+0.27	3.99	+0.76	6.76	+3.66	2.37	−1.52	9.18	+4.88	4.31	+0.76	1.32	−1.60	2.88	+0.15	1.45	−0.98	1.07	−1.91	40.80	+3.06
Southern Division																										
Arbovale	2.16	−0.65	2.02	−0.85	4.57	+0.76	2.63	−0.59	4.70	+1.29	6.37	+2.62	6.20	+1.49	3.01	−1.30	1.37	−1.16	1.71	−0.93	1.86	−1.22	1.75	−1.41	38.35	−1.95
Beckley	3.83	+0.16	2.23	−0.72	5.20	+1.43	3.15	−0.33	3.30	−0.33	4.51	+0.10	3.46	−0.92	3.96	+0.12	1.41	−1.13	3.59	+0.61	1.80	−0.79	1.55	−1.76	37.99	−3.56
Bluefield	3.06	+0.05	2.10	−0.83	4.93	+1.81	3.01	−0.10	4.84	+1.72	3.08	−1.15	8.41	+4.34	1.16	−2.45	1.75	−0.57	1.84	−0.93	1.96	−0.09	1.60	−1.28	37.74	+0.52
Camden-on-Gauley	3.44	−0.02	1.93	−1.06	5.93	+1.49	3.77	0.00	5.29	0.00	4.82	−0.25	6.62	+1.71	7.33	+1.86	3.99	+0.63	2.20	−0.82	2.52	−1.12	2.85	−1.29	50.69	+1.13
Charleston	*2.90*	*−1.13*	*2.10*	*−1.21*	*6.30*	*+1.80*	*4.40*	*+0.53*	3.38	−0.40	3.40	−0.99	3.49	−1.29	2.98	−1.49	1.04	−1.94	2.14	−0.90	2.08	−0.99	2.63	−1.01	36.84	−9.04
Charleston (Airport)	2.67	.....	2.12	.....	6.75	.....	4.40	.....	5.57	.....	5.56	.....	4.02	.....	2.82	.....	1.23	.....	2.33	.....	1.70	.....	2.27	.....	41.44	.....
Clay	4.10	+0.42	1.89	−1.37	5.81	+1.66	4.42	+0.98	3.67	−0.12	4.25	−0.26	5.77	+0.79	3.11	−1.38	1.07	−2.15	2.37	−0.61	1.94	−0.96	2.30	−1.20	40.70	−4.20
Flat Top	3.06	.....	2.01	.....	4.47	.....	3.62	.....	4.85	.....	7.87	.....	4.79	.....	2.80	.....	1.70	.....	2.66	.....	2.35	.....	3.02	.....	43.20	.....
Gary	3.53	+0.08	1.95	−1.19	4.77	+0.61	3.06	−0.43	3.87	−0.10	3.39	−1.68	4.93	0.00	1.43	−2.68	1.28	−1.71	2.65	−0.25	1.56	−1.14	1.87	−1.50	34.29	−9.99
Greenbottom	*1.90*	.....	1.72	.....	6.70	.....	*5.00*	.....	5.10	.....	*6.10*	.....	*4.40*	.....	*2.10*	.....	2.23	.....	1.65	.....	1.79	.....	0.69	.....	39.38	.....
Hamlin	*2.20*	.....	*1.70*	.....	*6.00*	.....	*4.85*	.....	5.57	.....	3.18	.....	3.57	.....	1.98	.....	1.39	.....	1.88	.....	2.01	.....	1.91	.....	36.24	.....
Hinton	3.16	−0.10	1.43	−1.46	3.93	+0.03	2.33	−0.87	4.19	+0.64	3.09	−1.21	3.88	−0.19	3.18	−0.98	1.04	−1.65	2.08	−0.75	1.80	−0.61	2.41	−0.77	32.52	−7.92
Hogsett	1.74	−2.10	1.70	−1.23	5.28	+1.40	5.05	+1.78	5.94	+2.26	5.14	+1.11	4.85	+0.97	2.88	−0.28	1.47	−0.71	1.57	−1.06	1.35	−1.33	1.94	−1.32	38.91	−0.51
Huntington	2.01	−1.78	1.55	−1.53	5.76	+1.54	4.97	+1.46	4.71	+0.74	7.01	+2.78	4.01	−0.29	1.27	−2.43	2.07	−0.38	1.46	−1.06	1.31	−1.21	2.09	−1.28	38.22	−3.44
Kayford	2.49	−1.73	2.19	−1.25	5.84	+1.20	4.25	+0.19	4.49	+0.09	3.10	−2.09	4.10	−1.07	2.17	−2.66	1.20	−2.18	2.55	−0.77	1.98	−1.17	2.63	−1.28	36.99	−12.72
Lewisburg	2.24	−1.11	2.13	−0.66	4.69	+1.05	2.36	−0.96	4.76	+1.40	3.42	−0.52	2.96	−0.93	2.00	−1.95	1.01	−1.68	2.26	−0.74	1.70	−0.78	2.12	−0.99	31.65	−7.87
Logan	2.16	−2.26	2.10	−1.40	6.34	+1.62	4.37	+0.22	2.39	−1.72	4.21	−0.68	3.15	−1.78	2.30	−2.19	1.09	−2.06	2.88	−0.17	1.63	−1.60	2.87	−1.23	35.49	−13.25
London Locks	3.14	.....	2.09	.....	5.81	.....	4.40	.....	4.33	.....	3.41	.....	3.93	.....	3.97	.....	1.09	.....	3.29	.....	1.94	.....	3.27	.....	40.67	.....
Madison	2.35	−1.75	2.61	−0.62	5.11	+0.93	4.84	+1.00	3.54	−0.79	2.86	−1.30	4.33	−1.00	2.61	−1.21	1.05	−2.41	1.42	−1.21	2.20	−0.45	2.68	−0.22	35.60	−9.03

Italic figures indicate values interpolated from nearby stations.

Continued on next page.

Monthly and Annual Precipitation for 1943, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
Oak Hill	3.06	.....	1.71	.....	5.25	.....	3.41	.....	4.63	.....	3.39	.....	3.71	.....	3.03	.....	1.05	.....	2.55	.....	1.90	.....	3.18	.....	36.87	.....
Pineville	3.61	.....	2.24	.....	5.00	.....	4.14	.....	3.49	.....	4.36	.....	6.53	.....	1.68	....	1.34	.....	2.55	.....	2.17	.....	2.68	.....	39.79	.....
Point Pleasant	3.62	−0.33	1.52	−1.63	4.40	+0.31	4.50	+1.19	6.79	+1.80	4.26	+0.18	7.64	+3.40	4.07	+0.86	1.79	−0.62	1.68	−1.13	1.26	−1.57	2.15	−1.35	42.58	+1.11
Princeton	3.25	.....	1.44	....	3.10	.....	3.05	.....	2.73	...	2.11	.....	4.72	.....	2.19	.....	0.96	.....	1.69	.....	1.67	.....	1.74	.....	28.65	.....
Rainelle	4.00	−0.21	2.31	−1.90	6.41	+0.86	4.36	+0.17	4.93	+0.46	4.04	−1.06	5.99	+0.20	3.45	−2.33	1.50	−1.62	2.27	−0.34	2.71	−0.28	3.74	+0.21	45.71	−5.84
Ravenswood (Dam 22)	3.03	−0.57	1.44	−1.63	4.21	+0.32	4.13	+0.97	4.13	+0.42	3.59	−0.55	7.99	+3.97	4.58	+1.23	0.41	−1.89	1.75	−1.04	1.37	−1.35	2.03	−1.29	38.66	−1.31
Richwood	4.48	+0.43	2.45	−1.67	5.69	+0.19	4.39	+0.55	5.28	+0.58	4.96	−0.13	5.86	−0.98	6.91	+1.75	0.75	−2.36	2.97	+0.12	2.50	−0.39	2.52	−0.97	48.76	−2.88
Ryan	2.91	−1.14	2.34	−0.94	6.02	+1.66	4.20	+0.42	4.67	+1.03	4.42	−0.23	6.18	+1.58	2.34	−1.74	1.50	−1.50	2.23	−0.93	0.87	−2.00	1.78	−1.47	39.46	−5.26
Seneca State Forest	4.80	.....	1.93	.....	4.91	.....	3.33	.....	4.35	.....	7.36	.....	6.06	.....	4.62	.....	1.08	.....	1.45	.....	2.02	.....	2.21	.....	43.12	.....
Spencer	3.21	−0.80	2.70	−0.45	5.27	+1.20	5.02	+1.63	4.07	+0.42	7.84	+3.33	8.64	+4.40	4.00	+0.03	1.27	−1.61	2.54	−0.62	2.28	−0.39	1.96	−1.45	48.80	+5.69
Summersville	3.44	...	1.82	....	6.48	.....	4.12	.....	5.65	.....	4.74	.....	5.27	.....	3.61	.....	1.72	.....	2.67	.....	2.33	.....	2.39	.....	44.24	.....
Sutton	3.93	−0.61	2.04	−1.40	5.91	+1.57	4.36	+0.51	4.39	+0.03	4.41	−0.55	8.05	+2.72	6.44	+2.19	1.01	−2.34	2.09	−0.90	2.48	−0.72	2.30	−1.52	47.41	−1.02
Thornwood	3.73	+0.21	1.31	−1.42	4.35	+0.07	2.36	−0.79	6.22	+0.74	2.16	−2.57	7.76	+2.98	2.62	−2.62	1.08	−1.94	*2.15*	*−1.17*	2.52	−0.25	*2.10*	*−1.10*	37.35	−7.86
Union	3.01	−0.14	1.33	−1.52	3.60	−0.05	2.32	−0.57	4.46	+1.25	4.29	+0.30	3.19	−0.60	1.29	−2.64	0.76	−1.79	2.30	−0.43	1.68	−0.66	2.10	−0.82	30.22	−7.67
Wayne	2.56	−1.20	2.25	−0.67	6.07	+1.47	5.15	+1.49	5.46	+1.88	5.74	+1.72	3.81	−0.78	1.91	−2.34	1.51	−1.58	1.35	−1.53	1.95	−1.11	2.24	−0.79	40.00	−3.44
Webster Springs	3.59	.....	1.95	.....	6.47	.....	3.30	.....	6.25	.....	4.97	.....	9.96	.....	6.43	.....	1.18	.....	2.43	.....	2.69	.....	2.46	..	50.68	.....
White Sulphur Springs	2.61	−0.72	1.70	−0.93	4.85	+1.29	2.23	−1.05	4.37	+0.90	3.85	−0.13	6.16	+2.24	3.88	+0.29	1.00	−1.84	3.78	+0.97	1.91	−0.37	1.84	−1.26	38.19	−0.61
Williamson	1.94	−2.01	1.89	−1.46	6.34	+1.80	4.23	+0.55	2.39	−1.69	3.63	−1.14	1.97	−2.46	1.13	−2.86	1.49	−1.50	2.84	+0.05	1.63	−1.19	2.39	−1.39	31.87	−13.30
Winfield Locks	2.34	.....	1.46	.....	5.98	.....	4.49	.....	4.24	.....	3.56	.....	6.70	.....	3.22	.....	0.93	.....	1.56	.....	1.91	.....	1.92	.....	38.31	.....

Monthly and Annual Mean Temperatures for the Year 1943, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure	Temperature	Departure
Northeastern Panhandle Division																										
Bayard	29.4	+0.6	26.4	−3.2	31.6	−6.1	39.9	−3.8	57.6	+1.2	69.4	+5.9	66.2	−1.4	65.2	−0.6	55.4	−5.5	45.2	−4.0	35.8	−3.3	26.8	−1.3	45.7	−1.8
Brandywine	36.5	+5.6	34.4	−0.3	40.8	−0.6	46.8	−3.1	64.2	+5.6	*75.5*	*+8.5*	72.4	+1.1	71.3	+1.4	60.6	−4.1	50.6	−2.7	41.2	−0.8	31.2	−3.0	52.1	+0.6
Inwood	34.2	.....	37.1	.....	38.8	.....	48.5	.....	64.8	.....	78.1	.....	75.8	.....	75.0	.....	65.3	.....	54.0	.....	44.2	.....	34.4	.....	54.2	.....
Kearneysville	33.0	−0.9	36.2	+2.3	41.8	−0.2	49.6	−1.7	65.2	+1.8	77.2	+5.3	75.4	−0.7	75.6	+1.3	64.9	−2.6	53.7	−1.2	43.2	−1.8	35.2	−0.1	54.2	+0.1
Martinsburg	33.4	+2.4	35.4	+4.0	41.3	−0.3	49.6	−2.0	65.6	+2.8	79.4	+8.4	77.9	+2.2	77.6	+4.6	65.8	−1.1	54.7	0.0	42.8	−0.4	34.2	+0.2	54.8	+1.7
McNeill	34.8	+3.8	35.6	+3.3	41.4	+0.4	47.6	−4.2	63.7	+3.5	74.6	+6.8	72.2	+0.6	71.6	+0.3	61.0	−4.8	52.0	−2.1	41.2	−1.1	31.5	−1.1	52.3	+0.5
Petersburg	36.2	.....	36.8	.....	42.6	.....	*49.5*	.....	67.3	.....	77.5	.....	74.2	.....	71.8	.....	62.7	.....	54.2	.....	43.9	.....	34.1	.....	54.2	.....
Piedmont	32.4	+1.5	33.0	−0.8	39.5	−1.7	46.0	−4.4	63.0	+3.0	75.6	+7.5	72.8	+0.5	72.3	+1.8	62.6	−3.1	52.0	−1.4	40.8	−1.4	31.8	−1.2	51.8	0.0
Romney	33.9	+2.4	34.4	+0.2	41.2	−1.2	48.6	−3.1	64.4	+1.5	77.4	+7.5	73.3	−1.6	72.4	−0.2	61.2	−5.6	54.0	−0.9	43.4	+0.3	33.4	−1.1	53.1	−0.2
Wardensville	32.9	+2.1	32.5	−1.3	39.0	−2.9	46.0	−3.6	63.0	+3.6	74.6	+9.1	72.4	+1.8	72.0	+2.5	60.8	−3.4	51.4	−1.2	40.2	−3.7	31.0	−2.7	51.3	0.0
Northern Division																										
Benson	36.0	+1.9	35.0	−3.0	40.2	−0.1	48.4	−4.2	64.1	+3.3	75.2	+7.0	74.8	+2.3	73.0	+2.3	63.9	−3.0	52.8	−0.1	39.8	−3.3	29.0	−7.2	52.7	−0.3
Bens Run	35.4	+2.5	35.6	+2.8	42.0	−1.5	48.8	−4.0	64.4	+1.4	77.8	+7.0	76.8	+1.7	75.0	+1.4	65.7	−2.7	54.6	−2.0	42.5	−1.6	32.3	−2.5	54.2	+0.2
Brandonville	31.8	.....	28.1	.	35.6	.....	42.0	....	60.0	.....	71.6	.....	68.6	.....	66.5	.....	57.0	.....	46.9	.....	36.7	.....	27.6	.....	47.7	.....
Brownsville	37.8	+3.2	36.8	−0.8	41.8	−0.1	50.1	−2.2	65.3	+3.7	75.8	+6.3	74.8	+1.0	73.3	+1.1	64.1	−3.5	54.2	−0.4	42.5	−2.1	33.2	−3.4	54.1	+0.2
Buckhannon	36.8	+4.3	35.2	+2.1	41.1	−0.8	49.2	−1.9	63.4	+2.3	73.8	+5.4	71.5	−0.3	69.2	−0.7	59.6	−4.9	50.8	−3.0	40.5	−1.7	32.0	−2.2	51.9	−0.1
Cairo	36.1	+1.7	36.4	+2.2	41.0	−3.3	49.4	−4.6	64.2	+1.1	75.8	+5.5	74.4	+0.1	73.5	+1.0	64.0	−4.1	53.5	−2.3	41.5	−2.2	31.6	−3.1	53.4	−0.7
Clarksburg	34.4	+1.8	32.0	−2.6	36.4	−3.3	45.2	−6.0	61.8	+1.5	74.4	+5.0	72.3	−1.5	70.6	−1.4	60.8	−6.7	50.4	−3.0	37.6	−5.2	29.2	−6.0	50.4	−2.3
Creston	37.6	+3.5	38.2	+3.5	42.6	−1.4	50.9	−2.5	65.2	+2.1	76.4	+5.7	75.4	+0.7	74.0	+0.9	65.6	−2.2	54.4	−1.3	42.6	−1.6	33.0	−2.3	54.7	+0.5
Elkins	35.2	+4.8	31.9	+0.3	38.4	−1.6	44.4	−4.4	61.0	+1.8	72.4	+5.5	70.6	+0.3	69.1	0.0	59.4	−3.6	49.6	−2.7	39.4	−0.9	30.6	−2.1	50.2	−0.2
Fairmont	35.0	+2.8	33.4	+0.3	39.6	−1.9	48.0	−3.8	64.8	+2.7	76.4	+6.1	75.0	+0.7	73.7	+1.0	64.4	−3.0	52.4	−2.7	40.6	−2.3	31.0	−3.0	52.9	−0.2
Glenville	38.4	+4.6	37.4	+2.8	43.6	−1.1	51.2	−2.7	66.2	+2.6	78.4	+7.3	76.8	+1.5	76.1	+2.2	66.6	−1.9	54.8	−1.4	43 8	−0.5	33.4	−2.5	55.6	+1.0
Grafton	33.4	+0.8	32.6	0.0	37.6	−3.9	44.7	−6.8	61.4	−0.1	71.6	+2.5	69.3	−3.3	68.0	−3.4	61.0	−6.1	51.1	−4.1	39.6	−3.5	29.5	−4.7	50.0	−2.7
Harrison County Airport	34.0	.....	33.2	.....	38.6	.....	46.2	.....	63.4	.....	75.0	.....	72.9	.....	71.2	.....	61.8	.....	51.5	.....	40.0	.....	31.0	.....	51.6	.....
Mannington	33.8	+1.9	34.0	+1.2	39.8	−2.5	47.0	−4.1	62.4	+2.0	74.0	+6.2	72.5	+0.7	70.7	+0.5	60.6	−4.3	51.4	−2.2	39.8	−2.2	29.8	−3.8	51.3	−0.6
Middlebourne	34.0	.....	32.6	.....	36.2	.....	45.5	.....	62.2	.....	75.2	.....	73.8	.....	72.0	.....	63.4	.....	52.6	.....	39.4	.....	31.0	.....	51.5	.....
Morgantown	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	73.3	−0.2	73.2	+1.2	....	.....	....	.....	....	.....	....	.....	....	.....
New Cumberland	31.4	+2.8	33.7	+4.6	40.2	+0.8	46.4	−2.8	61.6	+1.4	74.5	+6.3	73.6	+0.6	70.7	−0.1	63.2	−2.3	52.7	−1.3	40.9	−0.7	31.0	−0.7	51.7	+0.8
New Martinsville	33.2	+0.1	35.2	+1.7	40.4	−2.9	47.9	−5.2	65.6	+2.6	77.0	+5.9	76.2	+1.0	74.7	+1.0	65.0	−3.5	54.1	−2.7	41.6	−3.2	31.4	−3.9	53.5	−0.8
Parkersburg	35.6	+3.1	36.0	+1.8	40.8	−2.0	48.8	−4.6	65.1	+1.3	77.1	+5.7	76.0	+0.6	74.2	+0.3	64.6	−2.7	54.4	−1.7	42.4	−1.4	32.3	−2.9	54.0	−0.2
Parsons	35.5	+1.0	33.5	+1.8	40.5	0.0	46.4	−2.8	64.0	+5.2	76.1	+9.2	72.5	+1.7	70.1	+0.7	59.9	−3.8	52.4	+0.9	38.8	−2.4	29.3	−3.0	51.6	+0.7
Pickens	29.4	−1.5	26.0	−5.9	35.0	−4.2	42.6	−5.5	56.8	−1.3	67.8	+2.9	63.5	−5.1	64.2	−2.3	57.0	−4.8	47.0	−4.7	33.1	−7.3	23.8	−8.4	45.5	−4.0
Terra Alta	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	....	.....	65.3	−1.5	55.7	−6.1	45.4	−3.6	36.8	−3.8	29.3	−1.3	....	.....
Valley Chapel	36.8	+1.7	36.2	−2.3	41.3	−1.2	49.0	−4.1	64.6	+3.0	75.8	+6.2	74.6	+0.6	73.3	+0.8	64.7	−3.3	54.0	−1.4	42.2	−2.8	32.9	−4.6	53.8	−0.6
Wellsburg (near)	32.0	+1.8	32.4	+2.4	39.8	0.0	45.7	−3.9	61.4	+1.2	74.2	+6.2	73.2	+1.0	70.8	+0.5	62.0	−2.9	49.8	−3.7	39.3	−2.5	29.7	−2.7	50.9	−0.2
Weston	39.1	+5.0	38.0	+4.1	40.8	−3.0	51.3	−1.5	67.4	+4.7	78.0	+7.6	76.0	+1.6	75.6	+2.9	66.0	−1.3	54.7	−0.8	41.4	−2.6	34.0	−1.8	55.2	+1.2
Wheeling (Dam 12)	32.5	+2.1	32.3	+0.2	37.8	−2.7	45.9	−5.7	61.9	+0.1	75.4	+4.8	74.6	−0.2	72.3	−0.5	63.4	−4.0	51.8	−3.1	39.6	−2.6	30.0	−2.6	51.5	−1.1
Southern Division																										
Beckley	37.8	+4.4	35.7	+1.0	40.9	−1.7	48.2	−2.0	62.0	+2.1	72.6	+5.2	70.8	−0.4	71.1	+1.8	61.4	−2.7	53.5	−0.9	43.0	−0.3	*32.0*	*−2.5*	52.4	+0.3
Bluefield	38.4	+3.6	38.6	+3.8	42.7	−1.7	50.4	−3.2	64.9	+3.3	74.0	+3.9	72.3	+0.7	73.2	+2.7	62.8	−3.4	54.6	−1.1	44.2	−0.5	35.3	−1.6	54.3	+0.5
Charleston (Airport)	37.7	.....	36.8	.....	40.6	.....	50.0	.....	65.1	.....	76.1	.....	75.6	.....	74.8	.....	65.0	.....	54.5	.....	41.6	.....	33.3	.....	54.3	.....
Flat Top	32.8	.....	30.6	.....	36.2	.....	43.3	.....	58.6	.....	69.2	.....	68.0	.....	67.8	.....	57.1	.....	49.6	.....	37.6	.....	29.4	.....	48.4	.....
Gary	38.2	+3.1	36.6	−1.3	40.6	−1.9	49.9	−3.5	64.4	+3.3	75.0	+5.7	74.2	+1.1	73.6	+1.6	63.6	−4.9	52.9	−2.7	42.1	−2.9	34.6	−3.2	53.8	−0.5
Hinton	38.7	+4.2	36.9	+1.4	43.1	−1.0	51.4	−1.8	65.6	+2.2	77.6	+7.1	75.8	+1.4	75.7	+2.4	65.0	−3.0	54.6	−2.4	42.9	−1.2	34.2	−1.6	55.1	+0.6
Huntington	40.3	+6.3	40.8	+6.1	45.6	+0.6	53.8	−0.8	68.2	+3.5	79.4	+6.5	78.6	+2.0	78.7	+3.9	68.8	−0.2	57.8	+1.4	45.6	+1.3	36.4	+0.8	57.8	+2.6
Lewisburg	35.6	+3.2	33.8	+0.5	39.4	−2.7	47.6	−2.9	61.7	+1.6	72.2	+5.0	70.4	−0.6	71.0	+1.6	59.8	−4.5	51.8	−1.4	39.9	−2.0	31.8	−1.4	51.3	−0.3
Logan	40.2	+1.2	38.4	−1.1	42.6	−4.5	52.2	−5.1	68.0	+1.0	78.9	+5.3	77.8	+1.8	77.5	+2.5	67.0	−3.4	55.5	−4.6	44.4	−2.9	36.4	−2.7	56.6	−1.0
London Locks	36.4	.....	35.5	.....	40.3	.....	47.6	.....	63.4	.....	76.0	.....	75.2	.....	74.6	.....	62.8	.....	54.6	.....	*40.4*	.....	*32.1*	.....	53.2	.....
Madison	38.7	+2.1	36.8	+0.2	42.2	−0.5	52.3	−2.0	66.2	+2.4	77.1	+4.8	75.9	+1.1	74.7	+0.3	62.3	−5.4	53.0	−2.6	41.5	−2.0	33.0	−2.0	54.5	−0.3
Oak Hill	35.2	.....	32.8	.....	37.2	.....	47.2	.....	62.0	.....	72.8	.....	70.8	.....	69.6	.....	59.1	.....	51.4	.....	39.6	.....	31.4	.....	50.8	.....
Pineville	39.4	.....	38.2	.....	42.8	.....	51.0	.....	65.8	.....	77.0	....	76.0	.....	75.4	.....	64.4	.....	53.6	.....	42.8	.....	34.6	.....	55.1	.....
Point Pleasant	37.6	+3.5	38.1	+4.7	43.8	−1.4	52.2	−2.7	66.2	+1.6	78.2	+5.8	76.6	+0.2	75.6	+0.9	67.3	+1.4	56.8	−0.4	44.4	−0.9	34.4	−1.4	55.9	+0.9
Rainelle	34.2	+1.8	31.6	−1.9	38.7	−0.6	46.1	−2.1	60.4	+2.3	71.0	+5.5	69.6	+0.1	68.4	+0.1	59.3	−3.6	50.6	−0.2	38.4	−1.9	31.0	−2.2	49.9	−0.3
Ravenswood (Dam 22)	36.8	+1.4	36.4	−2.4	41.9	−1.4	49.1	−4.7	63.2	+1.3	75.3	+4.8	73.6	−1.5	73.2	+0.3	63.3	−6.1	53.4	−2.9	41.0	−4.7	30.9	−7.0	53.2	−1.9
Richwood	34.8	+0.4	32.2	−2.3	37.0	−3.8	45.8	−4.1	60.8	+0.6	72.2	+3.8	70.2	−1.6	69.5	−0.9	59.6	−5.1	52.0	−0.7	40.6	−1.8	29.8	−5.3	50.4	−1.7
Ryan	35.2	+2.2	34.2	−0.1	38.2	−4.6	48.4	−3.6	62.3	+1.1	73.7	+4.9	72.9	−0.2	71.5	−0.2	61.2	−3.4	51.4	−1.3	40.4	−3.0	33.2	−1.3	51.9	−0.8
Seneca State Forest	31.7	.....	29.4	.....	35.8	.....	43.2	.....	*58.0*	.....	*70.5*	.....	*68.5*	.....	67.2	.....	57.2	.....	49.4	.....	37.9	.....	28.9	.....	48.1	.....
Spencer	37.2	+3.5	36.2	+1.0	40.6	−2.3	50.2	−2.6	65.0	+3.0	75.1	+5.4	74.4	+0.8	73.5	+1.2	64.0	−2.5	52.8	−2.1	40.8	−3.3	32.5	−4.0	53.5	−0.2
Sutton	39.4	+5.1	38.1	+2.0	42.9	−1.3	50.0	−2.8	66.9	+3.6	77.2	+5.9	74.6	−0.2	75.1	+2.0	66.0	−2.7	54.8	−1.9	43.2	−0.8	33.9	−1.3	55.2	+0.7
Union	35.5	+2.2	33.4	−1.8	37.8	−5.6	46.7	−5.1	61.4	+0.6	72.8	+5.0	71.0	−0.6	70.7	+0.6	60.2	−5.9	50.6	−3.8	39.1	−3.3	31.0	−3.0	50.8	−1.8
Webster Springs	38.2	.....	37.8	.....	43.8	.....	49.6	.....	64.0	.....	74.4	.....	72.8	.....	72.7	.....	63.9	.....	54.4	.....	45.2	.....	35.0	.....	54.3	.....
White Sulphur Springs	34.9	+2.8	32.8	−2.7	37.7	−4.9	*47.0*	*−4.4*	*62.7*	*+2.2*	74.8	+6.8	71.2	−0.4	*71.2*	*+0.9*	*60.0*	*−4.9*	*51.4*	*−1.0*	*40.0*	*−2.1*	34.4	−1.3	51.5	−0.5
Williamson	40.0	+4.0	38.7	+1.3	42.7	−4.0	52.2	−3.3	67.6	+2.6	78.6	+6.0	77.9	+1.8	77.2	+2.4	66.2	−3.5	64.5	−3.3	43.8	−1.8	36.0	−1.6	56.3	+0.1
Winfield Locks	38.0	.....	36.5	.....	40.8	.....	50.4	.....	65.1	.....	77.7	.....	76.4	.....	75.6	.....	66.4	.....	55.4	.....	43.1	.....	33.6	.....	54.9	.....

Reference letters indicate number of days missing, for example, [b] 2 days, etc. Italic figures indicate values interpolated. (WBO, Columbus, 3-1-44—1200)

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UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII JANUARY 1944 No. 1

GENERAL SUMMARY

The month averaged slightly above normal as to temperature. However, several stations, in each of the three divisions, had mean temperatures somewhat below their normals. The third decade was warm with the period 25–29th being exceptionally so. The period, from the 7th to the 14th was very cold. Zero or lower temperatures occurred at 17 stations on the 9th, 11 on the 10th, 5 on the 11th, 2 on the 13th, 7 on the 14th, and 1 each on the 16th and 17th.

Precipitation was decidedly below normal, the northeastern panhandle division having 69%, the northern division, 51%; and the southern division, 64% of the normal amount. Every station, except 2 in the northeastern panhandle division, had minus departures. Moderate to heavy snow fell in the southern counties on the morning of the 15th. The snow was succeeded by rain on the lower elevations in the southern part of the State, clearing some highways previously blocked by the storm. The storm took a northeastward course and heavy snows averaging 7.1 inches were general in the northeastern part of the State on the evening of the 15th, ending in early morning hours on the 16th. The storm did not reach the extreme northwestern counties. After the rains and snows of the 14–16th, there was no effective precipitation at most stations. Snow cover was adequate in most places on the dates of the zero temperatures. The greatest number of snow-lying days was 28 at Cranberry Glades and Moorefield.

The warm second half of the month, with temperatures up to the 60's and 70's, held a threat of damage to the fruit crop as buds began to swell a little. The persistent dry weather was deleterious to winter grains and prevented cistern storage of water and the replenishment of streams, springs and wells. Farm and domestic water supply was very low at the close of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 33.2°, or 0.6° above the normal. The mean for the northeastern panhandle division was 31.8°; for the northern division, 32.7°; and for the southern division, 34.1°. The highest monthly mean was 38.8° at Charleston, and the lowest, 24.5° at Pickens. The highest temperature was 79° at Pineville on the 27th, and Oak Hill on the 28th, and the lowest, −13° at Seneca State Forest on the 9th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 120 stations, was 2.11 inches, or 1.46 inches below the normal. In the northeastern panhandle division the average was 2.12 inches; in the northern division, 1.96 inches; and in the southern division, 2.28 inches. The greatest monthly precipitation was 3.15 inches at Man, and the least 0.80 inch at Brandywine. The greatest amount in any 24 consecutive hours was 1.80 inches at Harpers Ferry on the 4th. The average monthly snowfall was 5.9 inches, or 2.1 inches below the normal. The greatest monthly snowfall was 29.0 inches at Bayard. The average number of days with .01 inch or more of precipitation was 7.

ERRATA

DECEMBER 1943.—Page 45: Temperature Summary, highest temperature 66° at Hinton on the 5th and Richwood on the 9th.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	1	3	6	16	..	1	..	2	2	2	2	1	..	1	7	14	36	22	31	3	5	2	9	4	9	24	4	1	1	1
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	2	5	1	..	..	..	2	..	..	..	..	..	..	..	..	..	2	..	6	..	..	..	..	1	9	1	8
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..
Sleet	..	..	1	5	2	1	..	..	..	..	..	..	..	..	1	16	3	..	..	..	1	3	3	..	..	..	..	..	..	..	2
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes–inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.70	13	29.71	3	7.3	24	w.	31	85	63	73	55	894
Columbus, Ohio	30.66	13	29.75	3	8.9	31	sw.	28	86	67	74	37	962
Elkins	30.64	13	29.66	3	5.3	27	w.	31	88	63	79	46	1011
Huntington Airp't	30.70	13	29.65	3	.....	25	nw.	31	86	67	76	....	933
Parkersburg	30.67	13	29.68	3	5.1	29	nw.	31	85	62	69	43	945
Pittsburgh, Pa	30.59	13	29.72	15	10.2	34	w.	28	82	65	71	46	930

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	.....	.....	3.24	4.23	3.24	3.64	.....	.....	.....	.....	.....
1892	29.4	76	−3	2.95	3.57	2.66	3.15	.....	11	.....	.....	.....
1893	22.6	71	−25	2.26	2.87	2.02	2.49	.....	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	.....	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	.....	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	8	14
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4.82	0.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	8.50	0.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	19
1940	20.5	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	−6	2.15	3.03	2.59	2.73	5.1	12	5	7	19
1942	30.7	67	−23	1.64	2.09	2.10	2.02	5.6	8	10	8	13
1943	35.6	80	−9	3.28	3.78	3.03	3.43	13.4	14	6	9	16
1944	33.2	79	−13	2.12	1.96	2.28	2.11	5.9	7	11	9	11
Period	32.6	83	−34	3.08	3.84	3.54	3.57	8.0	12	9	7	15

Climatological Data for January 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	27.7	−1.1	60	27	−8	9†	2.50	−2.00	0.77	15	29.0	5	19	5	7	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	28	31.4	+0.5	67	28	−5	10	0.80	−1.54	0.40	16	7.0	4	26	0	5	s.	E. L. Keister
Great Cacapon	Morgan	500	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	....	..	....	....	....	.....	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	2.81	+0.10	1.80	4	4.8	8	....	....	....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	35.1	.....	73	27	4	18	1.75	.....	....	..	6.0	4	11	11	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	33.6	−0.3	69	27	7	18†	2.78	0.00	1.59	3	....	6	12	12	7	w.	University Exper. Station
Martinsburg	Berkeley	435	52	34.2	+3.2	70	27	10	9	2.72	+0.21	1.47	4	7.8	7	17	11	3	nw.	Vernon B. Garten
McNeill, 2 miles NE	Hardy	800	10	30.3	−0.7	65	28	−6	1†	2.22	−0.16	0.98	3	11.0	4	15	10	6	w.	R. E. Saville
Piedmont	Mineral	1,053	30	31.8	+0.9	63	27	−1	9	2.49	−0.09	1.03	3	22.0	6	14	7	10	w.	C. A. Suter, Jr.
Romney	Hampshire	824	45	34.0	+2.5	69	27	1	9	1.69	−0.70	0.82	3	18.9	4	11	8	12	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	1.89	−0.92	0.60	3	26.5	7	5	6	20	.....	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	26	30.6	−0.2	71	27	1	9†	1.99	−0.14	0.91	3	12.7	3	....	....	....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	2.36	−1.04	0.96	3	4.8	8	1	18	12	.....	L. Esle Bond
Benson	Harrison	1,080	19	32.1	−2.0	63	26†	−3	9	1.55	−2.06	0.94	3	4.5	7	9	13	9	.....	R. D. Marts
Beus Run	Pleasants	652	43	34.2	+1.3	63	28	9	9	1.58	−2.40	0.90	3	....	6	10	10	11	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	29.9	.....	62	28	6	13	1.97	.....	0.65	3	4.0	7	....	....	....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	35.8	+1.2	66	26†	−2	9	2.01	−1.58	0.86	3	6.5	7	10	11	10	.....	M. D. Hawkins
Buckhannon	Upshur	1,411	53	32.8	+0.3	62	28	2	10	2.73	−1.67	0.77	15	6.0	7	8	13	10	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	33.0	−1.4	66	26†	−1	9	1.65	−2.30	0.86	3	0.6	9	8	14	9	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	30.6	−2.0	62	27†	3	10	1.73	−1.58	0.92	3	3.0	6	9	10	12	se.	Clarksburg Water Board
Creston	Wirt	640	43	34.5	+0.4	67	25†	0	9	1.75	−2.18	0.70	3	3.0	8	8	8	15	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	.....	.....	.....	.....	.....	.....	1.55	−1.64	0.57	4	0.5	7	....	....	....	.....	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	1.43	−1.70	0.92	4	....	6	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	1.66	−1.56	0.74	4	0.5	5	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	1.21	−2.20	0.38	4	T.	6	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	1.51	−2.11	0.55	3	1.0	6	....	....	....	.....	Lockmaster
Elizabeth(Dam 3 L. K).	Wirt	615	34	.....	.....	.....	.....	.....	.....	1.74	−2.03	0.91	3	....	6	....	....	....	.....	Lockmaster
Elkins	Randolph	1,927	45	32.4	+2.0	61	28	6	10	2.51	−1.27	0.89	16	9.7	10	4	7	20	w.	U. S. Weather Bureau
Fairmont	Marion	883	52	33.7	+1.5	65	24†	6	9	1.64	−2.29	0.59	4	0.5	7	12	7	12	w.	J. C. Robinson
Glenville	Gilmer	738	56	35.0	+1.2	68	25†	2	9	2.56	−2.07	0.64	3	3.2	8	8	13	10	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	31.4	−1.2	65	27	−5	9	1.96	−1.61	1.01	4	4.5	7	18	4	9	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	32.2	.....	63	27	1	9	1.46	.....	0.56	3	3.5	11	7	12	12	sw.	U. S. Airway Station
Hastings	Wetzel	809	9	....	.....	.....	.....	.....	.....	1.66	.....	0.89	3	T.	7	8	11	12	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	2.10	−1.16	0.92	3	6.0	10	....	....	....	..	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW.	Marion	974	42	31.8	−0.1	64	27	2	9	1.90	−2.22	1.17	3	0.5	10	8	11	12	w.	James A. Morgan
Middlebourne, 2½ mi. SE.	Tyler	750	3	32.8	.....	67	24	4	9†	1.28	.....	0.41	3	0.0	5	15	5	11	sw.	L. A. Crumrine
Morgantown, 3 miles N.	Monongalia	1,300	68	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	....	..	....	....	....	.....	State Horticultural Farm
New Cumberland	Hancock	671	49	32.4	+3.8	66	26	2	10	1.23	−1.61	0.66	4	....	8	6	5	20	se.	C. O. Valentine
New Martinsville	Wetzel	637	51	33.7	+0.6	68	28	6	9	1.45	−2.53	0.77	3	T.	8	17	7	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	34.5	+2.0	66	28	10	9	1.29	−2.29	0.85	3	0.2	9	9	10	12	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	31.4	−3.1	62	28	2	9†	3.01	−1.60	1.17	3	11.1	11	....	....	....	nw.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	2.55	−1.59	0.94	16	7.2	7	....	....	....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	24.5	−6.4	56	27	−9	9†	2.53	−3.79	0.86	23	14.0	9	5	9	17	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	2.17	−1.43	0.91	3	5.0	10	....	....	....	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	33.6	.....	62	27†	9	9	1.93	−2.98	0.70	16	7.7	6	....	....	....	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	1.65	−2.09	0.45	3†	....	6	....	....	....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	....	..	....	....	....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	2.35	−1.63	0.92	16	15.0	5	....	....	....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	35.0	−0.4	66	25†	2	9	1.89	−1.65	0.92	3	4.2	7	13	10	8	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	32.0	+1.8	62	26†	3	9	1.26	−1.79	0.55	3	T.	5	10	9	12	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	2.10	−0.97	0.95	3	4.5	9	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,626	53	35.4	+1.3	67	25	7	9†	2.20	−1.91	0.86	16	6.0	7	0	23	8	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	33.2	+2.8	63	27†	9	9	1.35	−1.69	0.91	4	T.	7	9	9	13	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	1.27	−1.54	0.70	3	8.0	6	8	14	9	w.	H. S. Sutton
Athens	Mercer	2,600	4	.....	.....	.....	.....	.....	.....	2.12	.....	1.03	3	6.0	9	....	....	....	.....	Concord College
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	....	..	....	....	....	.....	.....
Bluefield	Mercer	2,558	49	36.9	+2.0	63	26†	11	14	2.45	−0.56	1.24	3	4.0	9	15	6	10	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	38.8	+0.9	71	27†	11	10	2.70	−1.33	1.07	3	5.0	7	18	6	7	.....	Tom Miller
Charleston (Airport)	Kanawha	606	6	34.8	.....	70	27	5	9	2.23	.....	0.96	3	7.3	7	6	14	11	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	2.31	−1.37	0.76	16	7.3	6	....	....	....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	27.9	.....	58	28	−5	9	2.76	.....	1.51	3	11.9	9	12	12	7	nw.	Department of Justice
Flat Top	Mercer	3,270	6	31.0	.....	60	28	4	13	2.77	.....	1.22	3	4.4	10	10	12	9	nw	U. S. Airway Station
Gary	McDowell	1,426	27	36.0	+0.9	68	26	9	14	2.22	−1.23	0.95	3	T.	11	....	....	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	....	..	....	....	....	.....	State Forest Nursery
Hamlin	Lincoln	641	1	34.6	..	71	28	0	10†	2.16	.....	0.98	4	3.7	7	10	11	10	w.	F. E. Brown
Hinton	Summers	1,431	55	36.1	+1.6	73	28	10	10†	2.61	−0.65	1.14	3	0.5	7	....	....	....	....	Mrs. M. L. McClung
Huntington	Cabell	571	48	37.4	+3.4	70	25	9	9†	2.10	−1.69	1.16	4	6.5	8	10	9	12	w.	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	2.34	−1.88	0.82	16	6.0	5	....	....	....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	32.2	−0.2	68	28	2	9	2.32	−1.63	1.16	3	3.2	5	9	11	11	w.	James B. Stuart
Logan	Logan	700	31	37.0	−2.0	70	28	11	10†	2.49	−1.93	1.19	16	T.	7	5	13	13	.....	Paul A. Simonds
London Locks	Kanawha	623	9	.....	.....	.....	.....	.....	.....	2.66	.....	0.98	16	5.5	7	19	0	12	w.	Lockmaster
Madison	Boone	675	23	33.0	−3.6	68	27†	3	11	2.62	−1.48	1.03	15	....	6	8	14	9	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	2	32.5	.....	79	28	5	10	2.85	.....	1.08	15	1.8	9	12	2	17	.....	M. H. Martin
Pineville	Wyoming	1,350	2	37.4	.....	79	27	7	14	2.76	.....	1.00	3	0.6	8	16	7	8	.....	Charles Dameron
Point Pleasant	Mason	595	54	35.0	+0.9	64	25†	7	9	1.70	−2.25	0.65	4	0.6	7	15	0	16	s.	E. C. Winger
Rainelle	Greenbrier	2,424	13	31.8	−0.6	64	28	0	10†	3.02	−1.19	1.51	3	3.0	11	12	7	12	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	33.0	−2.4	64	28	−1	9	1.91	−1.69	0.84	3	1.0	7	12	7	12	sw.	Lockmaster
Richwood	Nicholas	610	13	33.4	−1.0	65	28	3	10†	2.02	−2.03	0.94	16	....	4	15	5	11	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	2	34.4	.....	65	25	10	9	....	.....	....	..	....	..	5	14	12	.....	Sattis Simmons
Ryan	Roane	700	41	34.3	+1.3	69	28†	1	10	2.22	−1.83	1.20	3	3.8	6	15	10	6	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	28.5	.....	62	28	−13	9	....	....	0.60	16	....	3	14	9	8	.....	Supt., State Forest
Spencer	Roane	789	45	33.2	−0.5	66	25†	−1	9	1.97	−2.04	0.53	3	5.5	10	8	15	8	.....	A. M. McKown
Summersville	Nicholas	1,900	8	30.8	.....	65	28	−3	10	2.40	.....	0.95	3	6.0	7	7	9	15	.....	A. E. Dorsey
Sutton	Braxton	850	41	35.6	+1.3	66	28†	4	10	2.47	−2.07	0.95	3	11.0	8	23	6	2	.....	C. B. Eakle
Union	Monroe	2,200	40	32.2	−1.1	68	28	4	14†	1.97	−1.18	0.90	16	0.5	7	13	0	18	.....	C. B. King
Webster Springs	Webster	1,500	12	35.8	.....	65	24†	7	10	2.07	.....	0.94	15	6.0	4	12	12	7	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	36.0	+3.9	70	28	2	14	2.67	−1.26	1.30	3	1.0	4	11	12	8	.....	Ashford General Hospital
Williamson	Mingo	673	43	36.9	+0.9	68	28	12	10	2.89	−1.06	1.19	16	1.5	7	10	5	16	se.	J. E. Dotson
Winfield Locks	Putnam	571	6	34.0	.....	70	27	9	10	1.83	.....	0.55	16	3.5	8	13	4	14	ne.	Lockmaster
State averages and extremes		.....	...	33.2	+0.6	79	27†	−13	9	2.11	−1.46	1.80	4	5.9	7	11	9	11	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for January 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac			.66	.67		.20										.77							.20									
Brandywine	do			.35													.40							.02								.03	2.50
Brushy Run [2]	do			.64	.38	.02	.03			.05							.50							.06									0.80
Harpers Ferry [2]	do			.26	1.80	.03	.06			.01							.50							.10				.05					1.68
Inwood	do			*	1.05	T.				T.							.65											.05			T.		2.81
Kearneysville	do			1.59	.48	.03	.06									T.	.58							.04									1.75
Knobly Mountain [2]†	do			*	1.05		*			T.							.90							.04				T.					2.78
Martinsburg [2]	do			.50	1.47	.07											.60							.01									1.99
McNeill †	do			.98	.48		.10										.66							T.			.01	.06					2.72
Petersburg	do			1.04	.15				.10	T.						.07	.70							.05								.02	2.22
Piedmont	do			1.03	.48		.13		T.							*	.72							.12								.01	2.13
Romney	do			.82		.03	.06								T	T.	.78							T.							T.		2.49
Spruce Knob [2]†	do			.28	.07		.08	T.		.10							.36							.13						T.			1.69
Stony River Dam [2] †	do			.60	.22		.18	.06									.56							.15								.12	1.20
Wardensville [2]	do			.91	.48												.60																1.89
Northern Division																																	1.99
Aberdeen†	West Fork			.96	.06		.20		.04							.22	.70				T.			.15				T.	T.		.03	2.36
Belington [2]	Tygart			.56	.52	.03	.24	T.		.07							1.02				.01	T.		.19				T.	T.	T.		2.64
Benson †	West Fork			.94	.05		.04		.05	.03							.40							.04								1.55
Bens Run	Ohio			.90	.03	.18	.19													.19				.09				T.				1.58
Big Skin Creek†	West Fork			.80	.10	.03	.32		.11							.83	.25				.02			.07					.02			.08	2.63
Brandonville	Cheat			.65	.44		.24			T.							.17				T.			.34				T.	.03			.10	1.97
Brownsville †	West Fork			.86			.21		.03							.05	.68							.09								.09	2.01
Buckhannon	Tygart	T.		.70	.20		T.		.56	.10						.77	.18												T.			.22	2.73
Cairo	Litl.Kanawha			.86	.10	.08	.30		.05	.03							.05				.09			.09									1.65
Clarksburg [2]	West Fork			.42	.50		.19			.06							.41							.15									1.73
Crawford	do			.87	.03		.13		.07							.39	.70							.08				T.				.04	2.31
Creston [2]	Litl.Kanawha			.70	.25	T.	.23			.07							.21				.20			.07					.02				1.75
Dailey [2]†	Tygart			.67	.29	T.	.24	T.		.12							1.00							.18				T.	T.	T.		*2.50*
Dam 10, Mon. R. [2]†	Monongahela			.29	.57	T.	.26			T.							.10				.03			.24				.06		T.		1.55
Dam 13, O. R. [2]†	Ohio			.11	.92		.26														.06			.07				.01				1.43
Dam 15, Mon. R. [2]†	Monongahela			.27	.74		.27	T.		T.							.13				T.			.25				T.		T.		1.66
Dam 19, O. R. [2]†	Ohio			.38	.38	T.	.20			T.											.14			.09			T.	.02				1.21
Dam 20, O. R. [2]†	do			.55	.40		.23			.07											.11			.15			T.	T.				1.51
Elizabeth (Dam 3) [2]	Litl.Kanawha			.91		.15	.30			.09											.21			.08								1.74
Elk †	West Fork			1.04						.11						.34	.53				.08			.07								2.17
Elkins [1] †	Tygart		.13	.61	.10	.15	.05		.11	T.						.81	.08		T	T.				.20			T.	T.	T.	T.	.27	2.51
Fairmont [2]	Monongahela			.49	.59		.21			.02							.04							.22				.07				1.64
Glenville [2]	Litl.Kanawha			.64	.41		.27			.24							.54				.08			.12				.06		T.		2.36
Grafton	Tygart			.90	.11	T.	.20			.05							.54							.13								.03	1.96
Hackers Creek †	West Fork			.39	.69		.15		.05							.55	T.							.16								.05	2.04
Hall [2]	Tygart			.82	.42	.02	.32	T.		.11							1.02				T.	T.		.14				T.		T.			2.85
Harrison Co. Airport [2]	West Fork			.07	.49	.08	.19	T.		.03	T.					.37				.01			.06	.10			T.		.01		.05	1.46
Hastings	Ohio			.89	.08		.39			T.											.09			.18				.01			.02	1.66
Horner	West Fork			1.10					.12							.45											.20				.45	2.20
Ireland	do			.60	.35	.20										.20	.78							.30									2.55
Jane Lew	do			.92	.05		.15		.05	.03						.09	.61				.04			.15								.01	2.10
Kumbrabow St. For. †	Tygart			.75	.26		.20			.06						.35	.90						.03					.15				.15	2.85
Mannington	Monongahela			1.17	.06		.23		T.	.02							.04			.02	.02			.26				.02		T.	.06	1.90
Middlebourne	Middle Is. Creek			.41	.33		.34														.11			.09				T.				1.28
Midvale [2]†	Tygart			.91	.41		.14	T.		.03						.95								.06								2.50
Morgantown	Monongahela																																
Mt. Clare	West Fork	T.	T.	1.00	.05		.20	T.	.09	.04							.57	T.	T.		.01			.12				.02	T.	T.	T.		
New Cumberland	Ohio			.52	.14	.04	.24																	.08				.10			.08	2.10
New Martinsville	do			.77	.06	.30	T.													.03				.12				.03			.03	1.23
Parkersburg [1] †	do		.05	.80	.01	.22	T.	T.	.02											.12	.02			.12								1.45
Parsons	Cheat			1.17	.12		.22		.04	.02										.15			.01	.01			.02		T.		T.	1.29
Philippi [2]	Tygart			.51	.60	.02	.26	T.		.09	T.					.24	.81				.04			.25					.02		.08	3.01
Pickens	do			.14		.27	.03		.18								.94				T.			.13	T.			T.		T.		2.55
Roanoke	West Fork			.91	.06		.10		.06							.30	.46						T.	.86				.14		.15		2.53
Rockford †	do			.96	.08	T.	.09		.05	T.						.30	.58				.02			.10			.01				.03	2.17
Rowlesburg [2]	Cheat			.24	.50	T.	.22	T.		.03						.29	.55				.09			.11				.02				2.24
Saint Marys [2]	Ohio			.45	.45		.40			T.							.70				T.			.24						T.		1.93
Salem	West Fork			.93	.04		.24		.05							T.	.14			.04	.20			.10				.05				1.65
Shinnston	do			1.20					.14								.16			T.	.05			.14					.02		.04	1.64
Terra Alta†	Cheat																							.43									1.98
Thomas [2]	do			.28	.55	T.	.55	T.		.05							.92																
Valley Chapel	West Fork			.92	.02	.01	T.		.15							.03	.64							.12				T.			T.	2.35
Valley Head [2]	Tygart			.27	.57	T.	.20	T.		.15	T.						.31	T.						.24				.03	T.			1.89
Vandalia †	West Fork				.89			.29		.15						.29	.64			T.				.10							.03	1.77
Wellsburg (near)	Ohio			.55	.15		.24		T.	T.														.22				.10			T.	2.39
West Milford	West Fork			.95	.10		.20		.09	.04							.57				.03			.10							.02	1.26
Weston [2]	do			.54	.38		.21	T.		.10							.86				.01			.10				T.				2.10
Wheeling (Dam 12) [2]	Ohio			.28	.63	.03	.24			T.										.08				.08				.01				2.20
Southern Division																																	1.35
Arbovale [2]	Greenbrier			.70			.05		.06							.05	.40	T.						T.				.01		T.		1.27
Beckley	New																																
Bluefield	New			1.24	.18		.09		.15							.65					.02			.02				.05			.05	2.45
Camden-on-Gauley [2]	Gauley			.83	.13		.13			.12							.73							.17								2.11
Charleston	Gr. Kanawha			1.07	.10		.05		.29							.37	.50																2.70
Charleston (Airport) [4]	do		.18	.81	T.	.19	T.		.11	T.						.90			T.			.02									.32	2.23
Clay [2]	Elk			.62	.55	.04	.22			.12	T.						.76															.02	2.31
Flat Top [4]	New		.47	.85	T.	.03	.02	T.	.09							1.15	T.			.04												2.77
Gary [2]	Big Sandy			.95	.17	.01	.06		T.	T.						.12	.80				.05			.01			.01	.04			.07	2.22
Greenbottom [2]†	Ohio																											.03	.01	.01		
Hinton [2]	New			1.14	.12		T.		.17							.06	1.05				.01			.06				T.				2.61
Hogsett [2]	Ohio			T.	.65	.04	.17			.05							.25				.08							T.				1.24
Huntington	do	T.		1.12	.04	.15	.04		.14	T.						.47	.12		.02				T		T.							2.10
Kayford [2]	Gr. Kanawha			.75	.33		.30			.14							.82				T.											2.34
Lewisburg	Greenbrier			1.16					.14							.92	.04															2.32
Logan [2]	Guyandot			.70	.31	T.	.16	T.	T.	.05						.01	1.19							.07							.06	2.49
London Locks [2]†	Gr. Kanawha			.71	.30	.02	.30		.25								.98							.10								2.66
Madison [2]	Coal			.79	.45		.15			.14														.06								2.62
Oak Hill	New			.90	.10		.23			.35						1.03	1.08				.04			.07				.01			.07	2.85
Pineville	Gr. Kanawha	.02		1.00	.25				T	.13						.40	.85							.06				.05				2.76
Point Pleasant [2]	Ohio		T.	.60	.65	T.	.18		T.	.11	T.	T.					.01	T.			T.	T.					.02	.13				1.70
Princeton [2]	New			.84	.14	.02	.04			.28							.11							.05				.04			.04	1.56
Rainelle	Greenbrier		.01	1.51	.16		.26		.10								.08				.06							.08	.01		.12	3.02
Ravenswood [2]	Ohio			.84	.42		.29			.10							.02				.22							.02				1.91
Richwood [2]	Gauley			.75	.18												.94							.15								2.02

Continued on next page.

Daily Precipitation for January 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha			1.20		.17			.13							.45	.22			.05													2.22
Seneca State Forest†	Greenbrier									.32						.15	.60																‖‖
Spencer [2]	Litl.Kanawha			.53	.32	.02	.22			.16						.20	.25				.16			.07					.04				1.97
Summersville[2]	Gauley			.95	.20	.10			T.	.15					T.	.05	.80							.15									2.40
Sutton	Elk			.95	.14		.18		.15							.16	.70							.08								.11	2.47
Thornwood[2]	Greenbrier																																...
Union [2]	New			.75	.13		.02			.10							.90				.04			.03									1.97
Wayne [2]	Twelvepole	.05		.67	.36		.22		.06	.10							.75							.12					.04				2.37
Webster Springs	Elk			.89	.09				.15							.94											T.				T.	.06	2.07
White Sulp'r Spgs. [2]	Greenbrier			1.30					T.							.69	T.				.02												2.07
Williamson [2]	Big Sandy	.06		.76	.26		.46		T.	.06						.10	1.19																2.89
Winfield Locks[2]†	Gr. Kanawha			.53	.36	.01	.26			.10							.55				T.			.01					.01	T.			1.83

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ‖‖ Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown: Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Mooreíield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for January 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	39	35	33	43	46	31	30	20	25	32	40	25	28	39	33	37	45	48	47	41	45	47	34	47	56	58	60	58	*32*	32	45	39.7
	Minimum	21	7	7	25	30	23	20	13	−8	−8	12	16	9	9	18	4	−5	−5	7	12	26	27	28	25	18	24	27	32	30	22	22	15.7
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	43	*39*	*41*	40	43	44	35	35	*30*	41	44	43	32	42	40	*37*	42	42	47	46	50	50	*50*	54	61	63	62	63	62	*45*	47	45.6
	Minimum	23	*26*	*28*	32	34	25	21	26	*21*	15	26	29	18	14	29	*31*	28	26	25	31	26	30	*31*	22	35	38	37	55	35	*30*	28	28.2
Brandywine	Maximum	44	40	34	47	45	40	39	36	35	40	45	41	38	49	40	34	41	49	45	48	52	50	44	52	62	64	65	67	57	42	48	46.2
	Minimum	0	11	24	28	18	26	12	11	−3	−5	0	17	3	4	22	20	13	15	13	17	13	25	28	12	20	26	29	37	34	25	18	16.5
Buckhannon	Maximum	36	43	43	42	52	50	34	*33*	22	35	43	40	29	37	37	37	43	45	46	42	46	48	52	46	50	60	61	62	57	40	43	43.7
	Minimum	20	20	33	33	28	27	18	16	6	2	10	19	7	7	20	27	10	17	23	20	22	25	32	19	26	28	34	50	32	29	21	22.0
Cairo	Maximum	34	35	38	41	43	46	37	37	23	36	44	46	31	39	39	39	41	41	47	50	46	48	51	50	48	60	66	65	65	66	40	46	45.1
	Minimum	13	18	22	23	32	31	17	20	−1	3	10	16	5	6	17	19	15	23	25	26	29	22	33	18	25	28	30	41	35	32	19	21.0
Charleston (Airport)	Maximum	36	42	45	42	54	39	40	25	27	42	48	39	30	41	34	36	50	52	51	44	53	55	57	51	53	69	61	70	68	47	48	47	46.5
	Minimum	24	23	36	37	34	18	16	8	5	6	13	14	10	9	24	18	25	29	28	23	25	25	22	23	30	38	36	46	28	21	21	23.1
Clarksburg [3]	Maximum	35	38	39	41	44	33	34	20	22	34	43	29	28	37	38	37	43	45	48	38	49	49	39	44	61	61	62	62	37	41	43	41.1
	Minimum	23	19	20	35	29	30	18	19	4	3	5	11	9	9	9	24	12	12	21	25	28	22	22	18	18	24	31	31	36	32	21	20.0
Cranberry Glades	Maximum	46	32	38	38	35	34	31	26	28	36	43	32	24	38	40	32	40	46	43	38	47	40	43	45	56	50	56	58	52	36	39	40.0
	Minimum	3	12	28	29	21	19	11	19	−5	−2	2	18	−3	−2	19	23	22	11	14	22	13	18	26	12	16	20	24	36	28	22	15	15.8
Elkins	Maximum	36	42	40	38	47	35	31	26	24	39	44	36	28	40	38	34	41	47	48	41	48	47	51	47	60	61	61	61	46	37	43	42.5
	Minimum	23	21	33	30	29	22	21	14	8	6	12	17	11	7	22	19	9	20	18	31	27	28	30	20	25	28	34	46	30	27	20	22.2
Fairmont [3]	Maximum	39	45	38	44	45	39	39	24	29	35	48	35	31	42	39	40	45	50	53	43	52	46	41	49	65	63	65	64	51	43	43	44.7
	Minimum	20	20	21	35	32	30	22	18	6	7	11	18	9	10	13	24	17	18	23	30	30	26	27	22	23	28	35	38	35	31	25	22.7
Flat Top	Maximum	39	33	35	34	37	29	34	29	20	38	42	29	22	37	37	32	39	47	45	38	46	50	45	48	59	57	58	60	45	40	41	40.2
	Minimum	15	16	30	28	29	19	15	13	8	10	24	14	4	6	28	24	24	18	25	26	22	23	26	17	29	31	29	44	28	23	26	21.7
Gary [3]	Maximum	46	45	44	41	55	37	41	*35*	28	45	49	37	31	41	38	40	47	50	53	45	55	58	45	59	67	68	66	66	51	49	*46*	47.7
	Minimum	29	26	32	36	32	30	16	17	20	10	11	15	17	9	19	30	27	27	28	29	26	24	24	19	19	32	35	36	32	31	21	24.2
Glenville	Maximum	39	40	43	43	50	50	38	32	29	40	48	44	32	41	35	38	46	49	50	40	53	55	53	52	68	60	66	68	62	48	48	47.1
	Minimum	20	22	33	36	32	31	18	21	2	4	11	20	9	9	19	20	17	22	25	28	29	27	24	21	27	25	29	42	36	33	22	28.0
Grafton	Maximum	36	42	43	41	47	47	38	37	25	31	46	46	30	39	40	37	46	46	51	51	49	49	46	45	62	64	65	64	64	37	43	45.4
	Minimum	18	13	28	28	25	24	15	12	−5	0	7	14	2	3	14	12	8	15	19	25	24	17	28	14	20	23	30	44	28	25	14	17.5
Hamlin	Maximum	*37*	48	47	58	50	40	40	*30*	29	42	48	34	29	38	37	36	48	52	52	45	61	57	48	49	68	66	71	69	*51*	*49*	*48*	47.3
	Miuimum	*28*	*25*	36	36	38	32	15	15	*19*	0	0	12	10	6	7	17	25	23	23	20	20	25	34	19	18	31	32	35	32	*24*	20	21.8
Huntington	Maximum	36	37	44	43	48	46	42	35	30	41	48	43	32	38	35	38	43	45	46	44	55	53	55	54	70	66	69	68	60	52	49	47.3
	Minimum	33	26	35	36	37	31	21	21	9	9	20	22	15	12	25	20	27	25	30	27	32	29	38	23	29	39	37	57	36	26	26	27.5
Lewisburg	Maximum	38	37	38	49	45	38	38	32	31	38	46	40	29	40	34	37	39	32	41	43	52	52	45	51	61	53	63	68	58	44	43	43.7
	Minimum	12	18	32	32	26	26	12	24	2	3	6	21	15	3	24	20	24	25	25	23	21	24	26	15	22	24	25	40	34	27	11	20.7
Logan [3]	Maximum	40	45	45	42	56	40	46	28	29	35	50	40	31	35	37	38	44	48	52	48	59	58	54	53	68	66	65	70	52	51	47	47.5
	Minimum	29	28	28	38	36	32	21	21	20	11	11	18	19	12	12	27	26	31	30	31	28	28	25	25	33	39	40	39	32	25	26.5	
Madison [3]	Maximum	38	43	45	39	54	39	40	25	26	36	46	28	29	26	*36*	35	40	43	51	43	55	54	46	53	65	59	68	68	*49*	48	47	44.3
	Minimum	26	24	25	35	33	30	16	17	15	4	3	15	10	6	15	*20*	10	22	27	28	24	26	25	19	20	29	33	35	35	*28*	21	21.6
Mannington	Maximum	34	40	38	43	45	43	34	29	26	32	44	43	29	39	39	39	43	47	50	42	49	48	44	46	62	63	64	63	61	41	43	44.0
	Minimum	5	11	31	34	28	30	17	17	2	6	10	14	3	6	15	17	11	17	20	28	23	18	30	17	21	25	29	42	34	30	17	19.6
Martinsburg [3]	Maximum	35	*41*	38	41	45	45	45	39	37	35	43	41	40	48	42	40	38	36	30	37	48	48	49	46	55	59	70	67	44	47	*45*	44.3
	Minimum	21	15	31	31	31	34	31	22	10	13	15	20	22	15	18	27	18	12	12	20	19	25	34	22	27	27	34	38	42	26	36	24.1
New Martinsville	Maximum	34	36	39	45	43	42	42	26	31	35	50	41	33	44	39	45	44	40	48	42	51	48	46	56	61	62	63	68	58	50	42	45.3
	Minimum	10	15	29	31	30	22	21	18	6	10	13	14	7	10	18	20	15	18	24	30	29	20	32	30	25	27	33	35	34	27	31	22.1
Parkersburg	Maximum	34	36	40	44	44	36	35	24	27	36	46	36	28	38	40	41	44	39	45	44	52	49	48	47	65	62	64	66	44	47	47	43.5
	Minimum	24	23	35	36	34	25	20	15	10	11	20	20	14	13	22	25	20	22	28	27	32	29	27	23	30	36	36	44	34	28	27	25.5
Pickens	Maximum	30	36	35	40	35	20	33	22	17	30	35	22	24	34	41	32	34	40	31	33	35	40	37	40	46	54	56	48	32	35	35	34.9
	Minimum	15	17	16	23	16	12	6	10	−9	−3	16	10	−9	−3	10	18	10	12	15	17	18	17	25	14	24	31	34	22	20	18	14	14.1
Point Pleasant	Maximum	34	34	40	42	45	45	36	35	25	35	45	44	44	37	37	38	37	37	40	42	51	50	50	45	64	55	64	64	64	40	44	44.0
	Minimum	28	24	33	35	35	29	20	21	7	9	17	21	13	12	23	24	21	24	29	27	32	28	35	23	30	35	33	52	34	29	26	26.1
Rainelle	Maximum	38	36	36	36	43	39	35	30	26	41	44	35	26	42	35	36	42	49	46	42	51	47	44	48	61	47	62	64	56	43	41	42.6
	Minimum	19	21	32	30	32	23	12	22	11	0	6	21	9	0	23	26	23	20	23	24	21	21	30	15	22	25	29	40	31	24	15	21.0
Ravenswood	Maximum	36	36	40	42	44	36	35	34	25	36	46	45	28	38	37	38	43	42	40	43	51	48	46	48	63	55	63	64	62	46	43	43.6
	Minimum	18	19	32	32	23	29	16	19	−1	4	12	18	7	8	19	19	17	21	27	24	30	24	35	19	28	32	31	47	34	29	22	22.4
Romney	Maximum	38	35	35	57	48	39	38	34	30	38	48	48	33	44	44	39	43	38	36	51	54	53	45	45	57	55	69	65	66	45	47	45.7
	Minimum	26	21	28	32	25	32	29	19	1	9	8	24	18	9	24	15	12	11	10	14	16	31	29	25	22	28	31	47	36	33	22	22.2
Spencer [3]	Maximum	35	51	42	41	50	37	37	22	25	35	46	32	28	39	36	32	44	49	48	41	52	53	45	49	66	61	65	66	57	47	*48*	44.5
	Minimum	18	20	31	35	30	29	16	15	−1	2	9	18	7	6	19	15	11	22	27	24	30	24	35	19	21	30	31	47	33	31	21	21.8
Summersville	Maximum	35	42	43	*40*	40	34	35	26	25	40	46	30	25	38	40	37	44	48	47	43	51	51	38	53	63	53	64	65	39	41	42	42.5
	Minimum	15	15	40	30	27	25	11	21	11	−3	6	20	5	4	15	26	11	11	17	24	22	22	16	15	24	25	34	32	26	21	19	21.1
Sutton	Maximum	38	42	45	45	53	53	38	37	38	39	48	48	34	41	41	33	38	49	49	47	53	53	51	51	65	65	64	66	66	46	48	47.9
	Minimum	24	20	34	36	32	30	15	21	10	4	9	24	8	6	24	26	17	17	23	27	23	22	35	19	26	29	33	45	35	32	19	23.4
Wardensville [2]	Maximum	45	37	35	51	39	38	39	25	28	40	49	34	38	48	44	36	38	42	43	44	48	55	51	42	48	64	60	71	64	41	41	44.1
	Minimum	2	6	28	29	26	30	22	17	1	1	5	11	15	5	11	12	7	5	7	13	11	16	29	24	20	24	28	31	39	32	19	17.0
Weston	Maximum	39	40	42	41	49	38	39	25	26	38	43	32	33	40	36	39	46	51	52	39	52	48	46	48	67	64	65	65	49	45	45	44.6
	Minimum	28	22	39	36	31	31	25	20	7	7	12	27	10	9	26	29	14	21	27	31	32	26	28	21	29	33	37	60	39	31	26	26.3
Wheeling [2]	Maximum	29	32	38	39	45	43	43	33	28	33	44	31	30	40	40	38	42	35	44	45	49	49	42	44	61	63	58	63	40	44	41.7	
	Minimum	21	22	38	36	34	30	28	17	9	11	16	19	12	12	19	24	18	18	22	29	28	29	29	25	24	31	33	40	36	32	27	24.8
Williamson [3]	Maximum	42	45	47	42	55	40	42	30	25	40	48	37	32	38	35	38	47	46	52	41	56	58	48	54	65	64	66	68	51	49	49	46.8
	Minimum	29	29	32	39	36	32	22	22	19	12	13	20	20	15	15	28	27	28	30	30	27	27	27	26	26	33	40	40	38	29	26	27.0

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 3-15-44—925)

551.05
UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII FEBRUARY 1944 No. 2

GENERAL SUMMARY

With the exception of a cold period from the 10–16th inclusive, February was uniformly rather warm with an unusually warm spell lasting from the 22d through the 27th. Temperatures of 70° or more were recorded at most stations on the 26th and 27th. During the cold period, below zero readings were recorded at 1 station on the 12th, 10 stations on the 13th, and 3 on the 16th.

The drought, which had prevailed since July 1943, was broken by the rains of the third decade of this month. Precipitation was 112% of normal in the northeastern panhandle division, 116% in the northern division, 133% in the southern division, and for the State 121%. The greatest amounts, ranging from 5.00 to 7.34 inches, occurred in the extreme southern counties, while heavy amounts also fell in central and southern Randolph County. Heavy rains, during the 22d, over the Little Kanawha River Basin caused the river at both Glenville and Creston to rise somewhat above flood stage during the night of the 22d–23d–no damage was reported. On the same date, small streams went out of their banks in Calhoun, Jackson, Roane, Barbour, Lewis, Upshur, and Randolph Counties. Little damage was caused by these rises. North of Burnsville, in Braxton County, a wind storm caused considerable damage to farm buildings and fruit trees on the 22d. Snowfall was considerably below normal, with the greatest number of snow-lying days, 23 at Spruce Knob.

Much plowing was accomplished during the first three weeks of the month, a number of localities having been able to get all of their fields prepared for the spring crops. Snow cover was helpful in most sections during the hard freezes of the 13–16th. Heavy rains during the third decade thoroughly moistened the surface soil, brought stream flow to normal, and restored farm water supplies. High temperatures during the last week of the month caused the buds on peach and some forest and shade trees to begin to swell. Several varieties of vines and bushes started to leaf. Pastures were greening and wheat and barley were showing growth at the close of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 72 stations, was 37.3°, or 3.9° above the normal. The mean for the northeastern panhandle division was 35.4°; for the northern division, 36.3°; and for the southern division, 38.6°. The highest monthly mean was 43.5° at Charleston, and the lowest, 30.1° at Bayard and Pickens. The highest temperature was 79° at Summersville on the 26th and Gary on the 27th, and the lowest −13° at Seneca State Forest on the 13th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 3.77 inches, or 0.66 inch above the normal. In the northeastern panhandle division the average was 2.67 inches; in the northern division, 3.72 inches; and in the southern division, 4.23 inches. The greatest monthly precipitation was 7.34 inches at Bluefield, and the least, 1.55 inches at Brandywine. The greatest amount in any 24 consecutive hours was 2.75 inches at Pickens No. 2 on the 23d. The average monthly snowfall was 3.8 inches, or 4.5 inches below the normal. The greatest monthly snowfall was 18.3 inches at Pickens. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	..	..
Fogs, dense	..	2	8	3	2	1	..	2	4	1	4	..	..	2	..	1	1	1	..	..	2	5	1	4	5	4	2	..	1	..	..
Gales	9	1	..	1	12	9	3	..	..	3	8	14	3	4	9	..	..	2	1	..	2	7	14	2	1	1	3	1	2	..	..
Glaze	2	..	..	..	..	..	..	..	..	..	1	..	..	..	2	..	1	..	1	..	..	1	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	1	..	..	..	..	2	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	1	4	2	..	4	1	..	1	..	..	2	..	4	..	..	..	..	..	..	..	4	..
	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	..	..	..	1	5	1	..	2	7	1	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes–inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.69	13	29.59	22	8.2	27	sw.	5	83	60	67	44	786
Columbus, Ohio	30.66	13	29.56	22	10.2	36	w.	23	84	63	72	45	864
Elkins	30.64	13	29.60	29	7.6	30	w.	14	89	63	71	40	852
Huntington Airp't	30.73	13	29.69	14	.....	30	sw.	26	79	61	67	....	742
Parkersburg	30.71	13	29.65	22	7.5	22	nw.	1	78	58	61	40	786
Pittsburgh, Pa	30.61	15	29.50	22	11.5	47	nw.	23	80	66	70	33	894

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	.....	.....	2.09	5.23	5.79	5.39	.....	.....	.....	.....	.....
1892	37.1	72	−12	1.82	2.62	2.61	2.30	.....	9	.....	.....	.....
1893	35.0	71	−6	3.68	5.11	4.68	4.81	.....	12	.....	.....	.....
1894	33.4	74	−5	3.25	3.89	4.09	3.99	.....	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	.....	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	.....	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	.....	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	.....	9	10	8	10
1899	26.1	69	**−35**	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	0.31	0.97	0.95	**0.86**	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	9	8	11
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	0.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	−5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	−3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	0.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	0.59	1.04	1.02	0.96	9.3	8	8	8	12
1942	29.3	66	−14	1.50	2.51	2.14	2.22	6.9	10	8	6	14
1943	34.6	76	−13	1.09	2.14	1.90	1.89	5.7	11	8	9	11
1944	37.3	79	−13	2.67	3.72	4.23	3.77	3.8	12	8	8	13
Period	33.4	86	−35	2.38	3.22	3.19	3.11	8.3	10	8	7	13

Climatological Data for February 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, Inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	30.1	+0.5	60	27	3	13†	4.15	+0.65	1.38	23	12.0	13	8	9	12	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	28	36.3	+1.6	68	24	2	13	1.55	−0.21	0.75	29	....	5	15	1	13	s.	E. L. Keister
Great Cacapon	Morgan	500	....	38.3	.....	65	26	12	13†	2.27	.....	0.77	26	4.0	6	9	9	11	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	1.93	−0.33	0.51	23	4.2	8	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	35.4	.....	68	24	9	12	3.08	.....	1.20	29	6.0	7	12	6	11	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	35.4	+1.5	69	24	9	13	2.60	−0.24	1.00	26	....	8	11	11	7	e.	University Exper. Station
Martinsburg	Berkeley	435	52	36.3	+4.9	70	24	15	13†	2.75	+0.35	0.48	23	5.2	10	12	11	6	nw.	Vernon B. Garten
McNeill, 2 miles NE	Hardy	800	10	36.4	+4.1	71	27	5	13	2.12	−0.01	0.65	26	4.0	5	9	10	10	w.	R. E. Saville
Piedmont	Mineral	1,053	30	35.2	+1.4	66	27	11	13	3.28	+1.04	1.38	26	9.0	15	11	6	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	45	37.3	+3.1	68	27†	12	13	2.97	+1.07	0.86	26	5.5	7	.....	.....	.....	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	3.49	+0.64	1.50	23	6.9	12	3	5	21	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	26	33.2	−0.6	69	27	11	2†	1.88	+0.17	0.56	26	2.5	7	.....	.....	.....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	4.05	+0.95	1.55	22	2.3	13	3	10	16	w.	L. Esle Bond
Benson	Harrison	1,080	19	36.8	−1.2	71	27	4	13	4.19	+0.48	1.75	22	4.0	13	8	10	11	.....	R. D. Marts
Bens Run	Pleasants	652	43	38.0	+5.2	71	26	8	13	2.85	−0.26	1.33	22	1.3	9	19	3	7	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	30.6	.....	61	26	2	13	4.60	.....	1.30	23	9.0	15	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	40.4	+2.8	74	24†	4	13	3.88	+0.81	1.72	22	....	13	11	5	13	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	37.8	+4.7	68	27	3	13	4.33	+0.57	2.00	22	3.5	10	10	7	12	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	38.8	+4.6	73	27	5	13	3.33	+0.36	1.55	22	1.2	11	9	6	14	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	34.6	0.0	69	26	6	14	3.57	+0.53	1.46	23	1.2	13	8	10	11	w.	Clarksburg Water Board
Creston	Wirt	640	43	40.6	+5.9	75	25	6	13	3.98	+0.79	1.79	23	1.0	10	8	7	14	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	.....	.....	.....	.....	.....	.....	2.60	−0.27	1.00	23	1.5	14	.....	.....	.....	.....	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	2.19	−0.24	0.79	23	....	10	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	2.56	−0.43	0.90	23	1.0	12	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.92	+0.35	1.35	23	0.2	10	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	3.05	+0.29	1.53	23	T.	9	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K).	Wirt	615	34	.....	.....	.....	.....	.....	.....	3.67	+0.81	1.70	23	....	9	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	45	35.6	+4.0	66	26	7	13	4.26	+1.06	1.78	22	7.1	18	1	10	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	52	36.2	+3.1	70	26	6	13	2.79	−0.23	0.73	23	3.1	16	7	7	15	w.	J. C. Robinson
Glenville	Gilmer	738	56	41.1	+6.5	75	26	8	13	4.58	+1.01	1.41	23	1.0	14	12	8	9	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	35.6	+3.0	68	25	3	13	3.54	+0.63	1.15	23	1.6	12	9	5	15	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	35.7	.....	69	26	6	13	3.16	.....	1.25	22	3.0	15	2	9	18	w.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	2.78	.....	0.88	22	2.4	15	7	6	16	nw.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	3.85	+1.08	1.55	22	0.5	14	.....	.....	.....	.....	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW.	Marion	974	42	36.4	+3.6	69	26	2	13	2.99	+0.09	1.01	22	5.8	17	9	5	15	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	3	36.0	.....	72	26	4	13	2.19	.....	0.76	23	0.5	8	8	8	13	w.	L. A. Crumrine
Morgantown, 3 miles N.	Monongalia	1,300	68	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	.....	..	.....	.....	.....	.....	State Horticultural Farm
New Cumberland	Hancock	671	49	32.8	+3.7	61	23	8	14†	1.83	−0.61	0.67	26†	2.2	14	5	5	19	nw.	C. O. Valentine
New Martinsville	Wetzel	637	51	37.6	+4.1	71	26	7	13	2.72	−0.12	1.12	22	2.5	9	12	10	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	37.9	+3.6	74	26	8	13	3.18	−0.05	1.54	22	5.0	12	7	9	13	nw.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	35.0	+3.3	65	25†	2	13	4.52	+1.00	1.77	22	5.6	16	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	3.76	+0.58	1.60	23	5.6	16	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	30.1	−1.8	61	27	−5	13	6.60	+1.51	2.54	22	18.3	15	8	6	15	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	4.03	+0.65	1.79	22	3.0	13	4	9	16	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	36.0	.....	66	25	8	13	4.14	+0.49	1.33	23	2.9	13	8	1	20	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	2.97	+0.40	1.32	23	1.0	10	.....	.....	.....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	.....	..	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	6.51	+2.95	2.00	23	11.0	15	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	39.0	+0.5	71	26†	4	13	3.72	+0.65	1.77	22	2.7	15	10	8	11	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	33.6	+3.6	66	27	3	13	1.88	−0.31	0.79	27	3.0	12	6	8	15	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	4.03	+0.70	1.83	22	0.7	16	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	40.2	+6.3	74	26	8	13	4.50	+0.90	2.04	23	2.9	15	0	19	10	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	34.2	+2.1	66	26	9	13	1.96	−0.33	0.69	23	5.2	10	6	9	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	4.04	+1.17	1.58	22	6.4	10	10	6	13	w.	H. S. Sutton
Athens	Mercer	2,600	4	.....	.....	.....	.....	.....	.....	5.29	.....	1.55	17	1.8	14	8	6	15	nw.	Concord College
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	.....	..	.....	.....	.....	.....	.....
Bluefield	Mercer	2,558	49	40.4	+5.6	66	27	3	13	7.38	+4.45	2.35	17	3.2	14	10	6	13	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	43.5	+4.3	78	26	7	13	3.05	−0.26	1.05	22	1.3	11	11	6	12	.....	Tom Miller
Charleston (Airport)	Kanawha	606	6	39.1	.....	77	26	1	13	3.36	.....	0.80	22	0.5	15	3	11	15	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	3.30	+0.04	1.09	23	2.5	14	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	30.8	.....	60	27	−8	13	5.59	.....	1.38	22	13.0	17	9	6	14	w.	Department of Justice
Flat Top	Mercer	3,270	6	33.8	.....	62	27	−2	13	5.15	.....	1.29	17	5.1	16	3	11	15	nw.	U. S. Airway Station
Gary	McDowell	1,426	27	40.8	+2.9	79	27	2	13	5.76	+2.62	1.90	17	1.0	17	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	40.6	.....	73	25	4	13	4.17	.....	1.67	24	1.0	9	1	11	17	w.	State Forest Nursery
Hamlin	Lincoln	641	1	40.6	.....	72	27	−1	13	2.36	.....	0.70	17	1.4	10	4	10	15	w.	F. E. Brown
Hinton	Summers	1,431	55	40.2	+4.7	74	28	12	13	4.75	+1.86	1.06	18	3.2	17	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	43.0	+8.3	77	26	8	13	3.22	+0.14	0.72	22	4.0	12	4	9	16	nw	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	4.24	+0.80	1.13	29	3.0	12	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	37.0	+3.7	68	27	1	13	3.93	+1.14	0.90	29	4.5	11	9	6	14	w.	James B. Stuart
Logan	Logan	700	31	41.8	+2.3	76	27	7	13†	4.79	+1.29	1.20	29	2.2	15	4	7	18	.....	Paul A. Simonds
London Locks	Kanawha	623	9	42.2	.....	74	27	8	13	3.40	.....	0.94	29	1.0	15	7	1	21	w.	Lockmaster
Madison	Boone	675	23	38.5	+1.9	75	26	4	13	2.86	−0.37	0.93	17	....	16	1	22	6	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	2	36.9	.....	67	28	1	13	3.83	.....	0.81	17	3.5	12	8	2	19	.....	M. H. Martin
Pineville	Wyoming	1,350	2	41.0	.....	74	27	0	13	4.82	.....	0.91	29	0.3	18	10	6	13	.....	Charles Dameron
Point Pleasant	Mason	595	54	39.6	+6.2	72	26	8	13	3.73	+0.58	1.47	22	1.6	11	10	2	17	w.	E. C. Winger
Rainelle	Greenbrier	2,424	13	35.8	+2.3	65	24†	−2	13	4.58	+0.37	0.67	29	11.5	19	6	6	17	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	38.6	−0.2	73	25	3	13	3.38	+0.41	1.61	22	....	9	7	6	16	nw.	Lockmaster
Richwood	Nicholas	610	13	36.8	+2.3	67	26	0	13	4.97	+0.85	1.14	23	2.0	13	4	7	18	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	2	37.4	.....	64	22	14	12	....	.....	.....	..	.....	..	6	14	9	.....	Sattis Simmons
Ryan	Roane	700	41	40.0	+5.7	78	26†	3	13	3.70	+0.42	1.51	22	3.2	12	9	11	9	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	33.4	.....	64	27	−13	13	4.47	.....	1.70	29	....	9	..	..	..	.....	Supt., State Forest
Spencer	Roane	789	45	38.3	+3.1	75	27	2	13	3.70	+0.55	1.53	22	1.5	13	4	8	17	.....	A. M. McKown
Summersville	Nicholas	1,900	8	34.6	.....	79	26	4	13	4.56	.....	1.10	29	2.0	19	2	5	22	.....	A. E. Dorsey
Sutton	Braxton	850	41	41.4	+5.3	73	26†	5	13	4.25	+0.81	1.47	22	3.0	12	13	13	3	.....	C. B. Eakle
Union	Monroe	2,200	40	35.8	+0.6	69	27	3	13†	4.46	+1.61	1.25	17	....	15	7	0	22	.....	C. B. King
Webster Springs	Webster	1,500	12	41.4	.....	71	25	5	13	4.06	.....	1.45	22	4.0	10	10	6	13	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	39.4	+3.9	70	23†	4	13	4.00	+1.37	1.02	17	2.0	13	8	13	8	w.	Ashford General Hospital
Williamson	Mingo	673	43	41.4	+4.0	74	26	8	13	5.00	+1.65	1.30	29	T.	17	7	7	15	sw.	J. E. Dotson
Winfield Locks	Putnam	571	6	39.2	.....	76	27	6	14	3.18	....	1.10	22	....	11	6	7	16	sw.	Lockmaster
State averages and extremes		....	....	37.3	+3.9	79	26†	13	13	3.77	+0.66	2.75*	23	3.8	12	8	8	13	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. * At Pickens No. 2.

Daily Precipitation for February 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	.26			.04		.23					.15	.22	.16		.40			.23			.06	1.38				.54	.18		.30			4.15
Brandywine	do																																
Brushy Run [2]	do	.08					T.								.15			.10					.30				.25			.75			1.55
Harpers Ferry [2]	do											T.	.04			.17			.21			T.		.95			.55	.15		.74			2.89
Inwood	do	T.			T							.18	.16			.13			.17					.51			.30	.20		.28			1.93
Kearneysville	do											.30			.15	T.			.08				.10	.40			.85			1.20			3.08
Knobly Mountain [2]†	do	T.			T.							.30			.17	.08		.16					.21				1.00			.60			2.60
Martinsburg [2]	do	T.										T.	.20	T.		.50			.15			T.		.74			.62	.70	T.	.10			3.01
McNeill †	do	T.			.05							.40	.20			.30			.17			T.		.48			.42	.32	.01	.40			2.75
Petersburg	do				T.							.20			.10			.15	T.				.56				.65			.46			2.12
Piedmont	do	.04		.01	.02		T.	T.				.01			.14			.19					.74				.70			.50			2.28
Romney	do	T.			T.							.11	.05		.22	.07		.03	.07			.05	.34	.40			1.38	.01		.48			3.28
Spruce Knob [2]†	do	.07		T.	.04	.02	.06		T.			.10			.27	T.		.14					.44	.71			.86			.45			2.97
Stony River Dam [2]†	do	.18			.04		.07					T.	.12	T.		.26			.34	T.		*	.12	1.27			.29	.34		.21			3.14
Wardensville [2]	do	T.										.10				.03			.28			.06	.10	1.50			.48	.15		.50			3.49
Northern Division												T.	.09		T.	.15			.17					.41			.56	.10		.40			1.88
Aberdeen†	West Fork		T.	.05	.03		.26					.05	.14	T.	.27	.21		.21	.07				1.55	.23			.19			.79			4.05
Belington [2]	Tygart	.13	T.	.06	.01	.07	.23	T.	T.			.07	.32	.05		.41	.01		.33	T.		.11		1.75			.13	.13		.42			4.23
Benson †	West Fork			.20	.05		.15					.05	.04		.20	.30		.22	.10				1.75	.25			.33			.55			4.19
Bens Run	Ohio		T.	.09	.05							.03	.03		.29	.19							1.33				.59			.25			2.85
Big Skin Creek†	West Fork		T.	.10	.04		.15					.14	.10		.31	.17		.27	.07		.07		1.91	T.		.09	.06			.85			4.33
Brandonville [2]	Cheat	.40		.18	.16	T.	T.	.22	.05			.09	.34	.05		.37			.13			.09		1.30			.70	.26		.26			4.60
Brownsville †	West Fork			.11	.02		.18					.03	.22		.24	.24		.22	.02				1.72	.18			.11			.59			3.88
Buckhannon	Tygart		T.	.10	.06		T.	T.				.48	.05	T.	.38	.15		.25	.06		T.		2.00							.80			4.33
Cairo	Litl.Kanawha			.09			.05						.05		.20	.29		.21	.05				1.55	.13			.21			.50			3.33
Clarksburg [2]	West Fork	.05		.10			.12					.03	.15	.10		.40			.20			.04	T.	1.46			.55	.05		.32			3.57
Crawford	do			T.	.01		.14					.15	.05		.36	.14		.24	.07		T.	.02	1.52	.04			.06			.87			3.67
Creston [2]	Litl.Kanawha	T.		.09	T.	T.	.15						.02	T.		.40	.03		.35			T.	.45	1.79			.10			.60			3.98
Dailey [2]†	Tygart	T.	T.	.13	T.	.10	.09	T.				.05	.18	T.		.22	T.		.30	T.		.10		1.73			.13	.08		.50			3.61
Dam 10, Mon. R. [2]†	Monongahela.	.08		.05	.02	.09	.10		T.			T.	.13	.02		.25	T.		.06	T.		.02		1.00			.14	.41		.23			2.60
Dam 13, O. R. [2]†	Ohio	.04		.05	.02								.25			.33			.09					.79			.05	.54		.03			2.19
Dam 15, Mon. R. [2]†	Monongahela	T.		.08	.03	.05	.06					T.	.16	T.		.37	T.		.08			.03		.90			.20	.34		.26			2.56
Dam 19, O. R. [2]†	Ohio	T.		.08	T.	T.	.01	T.				T.	.03			.50			.19				.20	1.35			.42	.03		.11			2.92
Dam 20, O. R. [2]†	do	T.		.05	T.		.03					T.	.02			.52			.17				.15	1.53			.30			.28			3.05
Elizabeth (Dam 3) [2]	Litl.Kanawha			.12			.06						.09			.50	.02		.28					1.70			.30			.60			3.67
Elk †	West Fork			*	.37							.14			.45			.25					1.83			.14	.26		.50			3.94
Elkins [1]†	Tygart	T.	.01	.01	.13	.02	.19	T.				.36	.05	T.	.26	T.		.35	.01		.17	.02	1.78			.07	.10	.02	.15	.56			4.26
Fairmont [2]	Monongahela	.04		.12	.04	.05	.07	T.				.02	.14			.33	.01		.22			.03	.21	.73			.55	.03		.20			2.79
Glenville [2]	Litl.Kanawha	.07			.21	.04	.18					.14	.08			.67	.04		.48			.11	.46	1.41			.15			.54			4.58
Grafton	Tygart	.05		.12		.02	.14						.22	.02		.38			.12			.04		1.15			.81			.47			3.54
Hackers Creek †	West Fork		.10	.01	.07		.10						.20		.30			.24					1.54	.23			.10			.20			3.09
Hall [2]	Tygart	.10		.08	.02	T.	.17	T.				.06	.36	.02		.47	T.		.26	T.		.05		1.76			.07	.10		.51			4.03
Harrison Co. Airport [2]	West Fork	T.	.10	.01	.07	T.	.11	T.			T.	.15	.04	T.	.37	T.		.14	T.		.02		1.25		.06	.48	.01	.04	.31			3.16
Hastings	Ohio	.01		.13	.02							.07	.04		.18	.36		.03	.02			.02	.88	.20			.50	.02		.30			2.78
Horner	West Fork			.10			.20					.18			.20	.30		.27				.08	1.90				.18			.68			4.09
Ireland	do			.15	.12	T.						.03			.19	.22		.10			.05		1.75	.15		T.				.36			3.12
Jane Lew	do		.04	.05	.03		.26					.04		.07	.22	.24		.22	.05				1.55	.24			.24			.60			3.85
Kumbrabow St. For. †	[2]Tygart	.02	.01	*.25*		.60						*.55*	.25		.08	.85		.35	.10		.05	.23	2.02	.70						.50			6.59
Mannington	Monongahela	.03	T.	.10	.04		.07	T.				.06	.09	.01	.26	.27		.05	.04			.04	1.01	.01			.45	.01		.45			2.99
Middlebourne	Middlels.Creek	T.		.10		T.						T.	.01			.40			T.				.33	.76			.34	.02		.23			2.19
Midvale [2]†	Tygart	.02			.36	.05	.27					.07	.09	.02		.27	.03		.52			.21		1.84			.09	.02		.42			4.28
Morgantown	Monongahela																																
Mt. Clare	West Fork		.06	.08	.03	.15	T.					.08	.02	T.		.20		.45	.03		.04		1.84				.39	.05		.46			3.88
New Cumberland	Ohio	.05	.04	.10	.03			.02				.36	T.		.09	.10		.03	.11	T.			.21				.60	.07		.02			1.83
New Martinsville	do	T.	T.	.08	T.							.04	.03		.40	.10		.06	T.	T.			1.12				.58			.31			2.72
Parkersburg [1]†	do	T.	.10		T.	T.	.01	T.			T.	.03	.02		.50	.02		.14	T.		T.		1.54			.12	.43		.01	.26			3.18
Parsons	Cheat	.10	T.	.07	.11		.18					.19	.27	.07	.26	.20		.17	.10			.14	1.41	.36			.32	T.		.57			4.52
Philippi [2]	Tygart	.06	T.	.09	.01	.06	.23	T.				.04	.23	.02		.53	.01		.19	T.		.07		1.60			.12	.11		.39			3.76
Pickens	do	.13		.08	.12	.81						1.02	.04	.10	.60	.03		.48	T.		.15		2.54			.15	.05		.30			6.60
Roanoke	West Fork			.05			.14					.19	.05		.30	.13		.25	.05			.05	1.79	.15			.16	T.		.72			4.03
Rockford †	do	T.	T.	T.	.18		.24					.50	T.	.02	.32	.26		.23	.05			.04	1.78	.01			.19	.04		.60			4.46
Rowlesburg [2]	Cheat	.23		.05	T.	.11	.25		T.			.05	.40	T		.64	T.		.19			.11		1.33			.34	.20		.24			4.14
Saint Marys [2]	Ohio	T.		.16	.03								.04			.50			.10				.14	1.32			.36	.05		.27			2.97
Salem	West Fork		.01	.13			.05					.10	.02		.26	.54		.13	.02			1.49				.28			.37			3.40
Shinnston	do				.24							.01	.23		.25			.27				.01	1.10						.01			2.12
Terra Alta †‡	Cheat																																
Thomas [2]	do	.47		.09	.05	T.		.28	.10			.12	.44	.14		.77	T.		1.02			.20		2.00			.05	.38		.40			6.51
Valley Chapel	West Fork	.03	T.	.08	.03		.22					.03	.09		.22	.26		.20	.03			.01	1.55	.22			.20			.55			3.72
Valley Head [2]	Tygart	.14	T.	.04	.03	.10	.37	.01				.03	.24	.09		.47	T.		.40			.13		2.00			.16	.18		1.00			5.39
Vandalia †	West Fork			.07			.11					.17	.06		.30	.13		.26					1.74				.11			.73			3.68
Wellsburg (near)	Ohio	T.		.25	.05			.07				T.	.06		.06			.02	.12	T.			.35	.05			.56	.23		.06			1.88
West Milford	West Fork		.04	.12	.08		.18					.10	.04		.24	.25		.22	.05			.05	1.48	.35			.32	.05		.46			4.03
Weston [2]	do	.10		.15	.02	.03	.23	T.				.02	.18	.03		.62	T.		.30			.05	T.	2.04			.15	.05		.53			4.50
Wheeling (Dam 12) [2]	Ohio	.07		.10	.02				T.				.08			.32	.06		.10	T.			T.	.69			.04	.48		T.			1.96
Southern Division																																	
Arbovale [2]	Greenbrier			T.			.05			.01		.02	.06	.24				.63					1.58				.30	.05		1.10			4.04
Beckley	New																																
Bluefield	New			.15	.04		.24			.25		.42			.64	.08		1.67	.68		.31		.48				.69		.55	1.18			7.38
Camden-on-Gauley [2]	Gauley			.05	.05		.28					.05	.14	.03		.26	.02		.45			.18		1.10			.20	.03		.95			3.79
Charleston	Gr. Kanawha			.05			.15					.05		.06	T.	T.		.70			.10		1.05			.01	.20	T.	.13	.55			3.05
Charleston (Airport) [4]	do		.03	.04		.01	.11			.01	.01	.08	.02		.45	T		.70			.10		.80			.21	.08		.51	.21			3.36
Clay [2]	Elk			.16	.12		.08	T.				.08	.12		.22				.35	T.		.09	.12	1.09			.15	.03	.01	.68			3.30
Flat Top [4]	New		.01	.01	.02		.27		.05	.12		.26	.03		.33			1.29			.16		.76			.52	.28		.53	.51			5.15
Gary [2]	Big Sandy			.24			.28			.22		.08	.23		.08	.18		.36	1.54		.26	.02	.25	.22			.73	.05	.02	1.00			5.76
Greenbottom [2]†	Ohio			.02			.07						.10		.59	.15	T.	.56	.02	T.			1.56	.11			.30		T.	.69			4.17
Hinton [2]	New	.07			.03		.07	.05		.13		.06	.13		.12	.39		.02	1.06			.07	.23	.37			.88	.11		.96			4.75
Hogsett [2]	Ohio	T.		.02			.03					.01	.09	T.		.59			.42			.01	.13	1.32			.25		.02	.50			3.39
Huntington	do			T.			T.					.10	.05		.60	.02		.67	.01		.02		.72			.04	.24		.18	.57			3.22
Kayford [2]	Gr. Kanawha	.15			.08		.42			.08			.20			.35			.65			.15	.42	.33			.28			1.13			4.24
Lewisburg	Greenbrier			T.			.03			.08		.09	T.		.44			.68	.25		.09		.65				.64		.08	.90			3.93
Logan [2]	Guyandot			.02	.04	T.	.45	T.		.05		.02	.09	T.	.03	.25	T.	T.	.95			.09	.31	.56			.60	.13	T.	1.20			4.79
London Locks [2]†	Gr. Kanawha	.11		.05	.05		.31			.08		.03	.12		*	.25			.51			.17	.07	.52			.10	.09	T.	.94			3.40
Madison [2]	Coal	.09		.05			.30			.04		.02	.11		.05	.31		.35	.58			.14	.27				.48	.06	.04	.67			4.58
Oak Hill	New			.05			.27	T.		.05		.05	.15	T.	.36	T.		.81			.08		.68				.37	.60		.36			3.83
Pineville	Gr. Kanawha	.08		.02	.11		.26	T.		.14	T.	.04	.05		.28	.26		.36	.82		T.	.15	.40	.15			.55	.14	.10	.91			4.82
Point Pleasant [2]	Ohio			.02	.02							.02	T.	.12	T.	.65	.04		.42			T.	.02	1.45			.47			.50			3.73
Princeton [2]	New		T.	.04			*			*		.35	.25	T.	.02	.71		.05	1.96			.24	.43	.11			.46		.15	1.27			6.04
Rainelle	Greenbrier			.06	.05		.30			.08		.03	.31	.01	.52	.17		.51	.26		.10	.17	.65	.11			.48	.06	.04	.67			4.58
Ravenswood [2]	Ohio	T.		.03	T.		.04					.01				.60			.33				.06	1.61			.20			.50			3.38
Richwood [2]	Gauley				.23		*			.19		.05	.34			.58			.63			.22	.28	1.14			.14	.12		1.05			4.97

Continued on next page.

Daily Precipitation for February 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha	....	.03	....	....	....	.09	....	....	....	....	.12	.14	....	.25	.05	....	.46	.05	....	....	....	1.51	....	....	....	.10	....	.08	.82	....	....	3.70
Seneca State Forest†	Greenbrier	....	....	.10	.02	....	....	....	....	.13	....	.14	.06	....	.66	....	....	....	....	....	....	....	1.70	.19	....	....	.38	....	....	1.09	....	....	4.47
Spencer [2]	Litl.Kanawha	....	....	.07	.02	....	.10	....	....	....	....	....	.05	.10	.25	T.	.15	....	.32	....	....	.03	.35	1.53	....	....	.15	....	....	.58	....	....	3.70
Summersville [2]	Gauley	....	T.	.50	.14	....	.05	.20	....	.04	....	.05	.15	.01	.02	.40	....	.04	.40	....	.05	.10	.04	.92	....	....	.28	.07	....	1.10	....	....	4.56
Sutton	Elk	....	....	.08	T.	....	.20	....	....	....	....	.16	.10	T.	.30	.15	....	.36	.05	....	T.	.08	1.47	.32	....	....	.15	....	....	.83	....	....	4.25
Thornwood [2]	Greenbrier	....	....	....	T.	....	.08	....	....	....	....	T.	.13	....	.30	.08	....	.30	.15	....	....	....	1.82	.10	....	....	.31	....	....	1.14	....	....	4.41
Union [2]	New	.05	....	....	.03	....	....	.05	....	.15	.04	.08	.35	....	....	.38	....	....	1.25	....	....	.25	*	.55	....	....	.35	.08	....	.85	....	....	4.46
Wayne [2]	Twelvepole	....	....	.12	.04	....	.09	....	....	....	....	.01	....	....	....	.12	.53	....	.73	....	....	.14	.16	.33	....	....	.43	....	....	.82	....	....	3.52
Webster Springs	Elk	T.	....	.12	.10	....	....	....	....	....	....	.42	....	....	.18	....	....	.47	.05	....	.02	....	1.45	T.	....	....	.30	....	T.	.95	....	....	4.06
White Sulp'r Spgs. [2]	Greenbrier	....	....	T.	.01	....	T.	....	....	.10	....	.21	.05	....	.46	....	....	.72	.30	....	.06	....	.60	.08	....	....	.58	T.	.01	.82	....	....	4.00
Williamson [2]	Big Sandy	.02	....	.04	.05	....	.38	....	....	.05	....	.05	.09	T.	.04	.30	....	T.	.98	....	....	.13	.34	.19	....	....	.93	.05	.06	1.30	....	....	5.00
Winfield Locks [2]†	Gr. Kanawha	T.	.02	.02	....	....	.08	....	....	....	....	T.	.11	T.	....	.41	....	....	.56	....	....	.03	.09	1.01	....	....	.25	T.	T.	.60	....	....	3.18

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for February 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	25	38	35	32	55	30	40	40	45	41	33	15	32	42	27	46	49	34	40	43	45	58	58	58	58	48	60	55	*32*	....	....	41.9
	Minimum	17	18	18	31	16	16	21	23	23	8	10	7	3	3	13	9	16	23	13	15	20	20	29	30	19	19	31	32	28	....	....	18.3
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	39	46	44	40	60	*50*	58	50	49	45	45	46	*54*	41	41	47	46	50	40	47	*58*	63	*55*	64	64	60	66	*55*	48	....	....	50.0
	Minimum	28	26	33	36	28	*23*	23	31	33	24	33	12	3	*22*	25	22	36	33	28	32	37	*37*	47	42	42	42	*44*	42	26	....	....	30.7
Brandywine	Maximum	40	47	46	45	59	52	54	50	47	45	36	30	38	44	40	42	46	52	45	50	55	53	57	68	62	53	67	63	52	....	....	49.6
	Minimum	25	12	32	31	19	30	12	20	27	9	27	13	2	15	24	12	23	34	18	20	30	21	32	27	21	42	36	27	26	....	....	23.0
Buckhannon	Maximum	40	39	42	40	62	60	44	43	45	50	50	40	30	45	45	44	49	52	40	44	47	57	60	60	62	67	68	60	60	....	....	49.8
	Minimum	26	15	33	36	24	29	33	25	20	12	27	12	3	15	25	17	27	32	15	21	31	35	38	29	25	45	32	36	26	....	....	25.7
Cairo	Maximum	47	43	42	44	57	64	48	49	43	47	51	48	28	36	39	46	51	53	42	45	51	55	63	62	67	68	73	64	52	....	....	51.0
	Minimum	30	15	32	32	23	34	22	26	26	15	40	16	5	15	29	17	26	36	17	20	25	28	40	28	25	45	47	31	29	....	....	26.7
Charleston (Airport)	Maximum	45	44	46	46	68	50	54	42	52	54	50	24	34	45	42	54	57	48	48	46	56	68	63	69	67	77	68	50	40	....	....	52.0
	Minimum	19	19	37	25	24	28	26	24	25	20	21	5	1	24	20	21	33	27	23	25	27	32	33	34	30	50	40	39	28	....	....	26.2
Clarksburg [3]	Maximum	37	38	40	38	60	37	46	37	48	45	48	22	28	40	34	46	53	38	40	44	50	62	52	61	64	69	62	50	34	....	....	45.6
	Minimum	22	13	15	34	26	26	27	23	22	22	16	9	6	20	17	23	26	18	17	24	26	30	29	27	27	47	36	32	23	....	....	23.7
Cranberry Glades	Maximum	30	40	41	32	54	52	39	41	44	39	33	33	29	34	35	40	34	46	41	38	50	54	54	59	52	48	60	49	41	....	....	42.8
	Minimum	18	10	16	29	9	21	14	25	30	10	25	6	−8	7	18	−4	14	26	15	17	27	23	30	25	20	34	36	34	18	....	....	18.8
Elkins	Maximum	35	40	39	35	60	50	44	41	45	47	44	19	30	46	31	47	55	53	43	43	49	61	58	60	63	66	62	53	44	....	....	47.0
	Minimum	20	15	35	30	23	25	21	28	27	16	19	10	7	16	21	15	27	26	18	22	30	27	32	30	26	44	38	34	21	....	....	24.2
Fairmont [3]	Maximum	40	38	40	39	62	37	47	40	50	50	44	23	34	40	35	48	46	48	42	45	55	60	49	68	66	70	68	57	31	....	....	47.3
	Minimum	26	16	20	35	30	34	26	21	21	18	20	15	6	18	24	19	24	30	15	19	25	28	34	31	28	31	50	35	30	....	....	25.1
Flat Top	Maximum	33	39	35	33	58	44	47	45	42	40	38	18	25	36	31	41	47	46	43	39	52	60	52	61	60	59	62	42	41	....	....	43.8
	Minimum	22	22	30	26	28	17	18	25	28	21	12	−1	−2	20	9	19	30	23	22	27	30	33	37	32	32	37	39	38	17	....	....	23.8
Gary [3]	Maximum	47	45	44	42	63	42	55	51	50	56	51	23	39	57	38	55	52	43	53	50	56	67	64	70	70	79	69	51	36	....	....	53.6
	Minimum	*25*	21	22	37	22	22	20	20	29	21	21	16	2	4	30	21	27	38	32	31	37	32	37	33	34	37	41	43	25	....	....	28.1
Glenville	Maximum	44	42	44	43	65	62	51	48	54	53	48	47	32	38	44	53	48	54	48	43	58	60	63	67	66	75	72	67	52	....	....	53.1
	Minimum	30	17	33	34	24	33	26	38	30	18	41	16	8	18	28	20	28	36	21	23	29	30	42	31	28	47	52	35	29	....	....	29.1
Grafton	Maximum	40	40	41	41	58	58	47	46	48	54	55	43	28	39	45	47	47	51	39	45	51	51	52	63	68	66	67	66	53	....	....	50.0
	Minimum	21	7	26	30	19	25	21	17	23	9	29	9	3	9	22	12	22	29	9	16	27	21	33	23	19	39	41	30	22	....	....	21.1
Hamlin	Maximum	48	45	45	47	67	50	55	42	52	53	52	34	34	45	41	55	57	44	*39*	48	58	70	64	68	68	*70*	72	*56*	41	....	....	52.4
	Minimum	28	19	40	34	24	35	20	25	35	19	45	18	−1	30	30	19	35	36	27	*26*	18	35	46	33	28	*32*	*39*	36	20	....	....	28.7
Huntington	Maximum	48	44	47	51	66	64	58	53	52	50	50	32	32	38	43	53	53	52	48	44	58	68	63	71	63	77	73	63	44	....	....	53.7
	Minimum	35	24	39	38	32	34	29	29	32	25	32	19	8	24	30	24	33	38	25	29	28	35	46	36	35	53	55	39	31	....	....	32.3
Lewisburg	Maximum	39	40	40	38	63	56	49	47	51	46	36	35	33	41	40	47	35	48	47	44	54	63	60	66	64	55	68	62	45	....	....	48.7
	Minimum	28	15	33	34	16	28	16	23	32	16	30	12	1	21	24	9	25	30	25	22	34	26	44	24	29	38	41	31	25	....	....	25.2
Logan [3]	Maximum	49	43	45	46	67	42	56	48	55	59	52	28	39	46	44	55	57	43	51	50	59	72	67	72	70	76	73	49	35	....	....	53.4
	Minimum	26	25	26	40	27	27	25	26	30	25	25	19	7	7	31	24	25	37	30	31	34	34	44	37	37	37	56	45	35	....	....	30.1
Madison [3]	Maximum	44	41	40	46	65	35	56	46	52	55	51	20	36	46	40	55	59	42	*50*	49	58	70	60	69	71	75	65	50	40	....	....	51.2
	Minimum	25	20	22	35	25	28	22	26	27	18	19	17	4	5	25	19	23	25	27	*29*	27	30	45	33	31	27	51	38	30	....	....	25.8
Mannington	Maximum	39	39	39	39	60	60	45	43	48	46	45	42	29	38	39	44	44	53	39	46	52	59	62	61	62	69	68	57	46	....	....	48.7
	Minimum	26	10	32	33	23	30	26	19	24	12	30	14	2	11	27	14	22	34	12	17	25	22	39	24	20	45	47	22	27	....	....	24.1
Martinsburg [3]	Maximum	*36*	37	45	48	51	49	50	46	40	48	28	32	37	33	36	46	43	47	47	52	60	52	52	70	65	46	54	40	57	....	....	46.4
	Minimum	27	20	22	33	22	30	30	25	25	24	26	18	15	15	23	24	26	29	18	18	26	28	33	31	32	34	35	37	34	....	....	26.2
New Martinsville	Maximum	46	42	40	42	62	59	50	45	53	47	45	39	37	35	39	45	43	50	46	50	58	55	59	65	62	71	67	50	43	....	....	49.8
	Minimum	26	14	31	33	24	31	27	20	24	15	33	13	7	9	27	29	25	33	14	20	23	25	38	25	26	41	44	33	27	....	....	25.4
Parkersburg	Maximum	41	38	44	44	64	59	49	36	48	46	48	22	30	38	37	47	52	45	40	48	54	64	58	62	62	74	63	48	35	....	....	48.1
	Minimum	23	20	33	31	32	29	28	25	29	22	20	12	8	20	25	24	33	24	20	26	31	34	40	34	33	48	38	35	27	....	....	27.7
Pickens	Maximum	33	35	38	30	46	32	41	38	35	34	36	36	32	40	38	46	46	39	45	43	45	56	44	54	52	54	61	47	39	....	....	41.9
	Minimum	16	8	27	24	27	20	14	17	14	13	33	5	−5	10	9	22	25	10	12	20	20	24	25	27	25	26	25	24	15	....	....	18.3
Point Pleasant	Maximum	44	44	46	44	60	60	52	52	49	48	47	30	26	36	38	49	49	42	42	45	52	59	56	62	62	72	58	58	47	....	....	49.3
	Minimum	33	22	35	37	32	33	29	29	30	22	30	18	8	20	30	23	30	37	22	26	27	35	44	35	34	27	53	37	31	....	....	30.0
Rainelle	Maximum	38	40	38	37	63	63	44	46	48	43	38	36	32	36	37	43	41	45	44	43	54	62	59	65	61	55	65	51	45	....	....	47.3
	Minimum	25	15	32	33	19	26	15	25	33	14	30	10	−2	19	22	5	25	31	23	24	30	25	40	25	25	38	41	35	23	....	....	24.3
Ravenswood	Maximum	44	45	45	61	*57*	51	38	51	48	46	37	29	35	39	48	47	45	43	45	54	59	56	64	62	73	71	58	46	*35*	....	....	49.4
	Minimum	32	17	32	34	27	32	24	25	28	21	36	16	3	17	29	19	27	35	21	21	23	32	32	31	29	47	52	35	27	....	....	27.7
Romney	Maximum	*39*	*44*	*43*	*38*	*62*	*53*	*48*	*44*	47	44	41	30	35	35	40	48	45	53	41	43	52	51	62	66	61	52	68	68	51	....	....	48.4
	Minimum	*22*	*19*	*35*	*31*	*25*	*26*	*28*	*30*	26	15	27	18	12	15	28	18	23	33	15	19	30	24	36	27	*30*	36	37	32	47	....	....	26.2
Spencer [3]	Maximum	44	40	45	42	64	35	51	40	50	48	46	22	33	44	41	52	50	40	45	46	55	63	59	67	63	67	75	52	31	....	....	48.6
	Minimum	30	16	33	35	24	32	22	27	29	22	40	15	2	18	29	18	28	36	21	21	26	30	42	33	28	52	36	39	29	....	....	28.0
Summersville	Maximum	38	40	39	38	32	30	42	45	48	49	43	18	33	43	33	49	52	35	48	43	53	64	58	63	79	65	65	48	30	....	....	45.6
	Minimum	25	14	20	20	18	22	21	22	21	14	18	11	4	18	24	14	22	33	21	21	32	36	40	27	26	32	45	36	28	....	....	23.6
Sutton	Maximum	48	48	47	47	65	65	49	49	52	53	53	47	30	48	48	53	53	46	46	47	55	66	66	67	67	73	73	68	57	....	....	54.7
	Minimum	30	16	34	35	21	33	24	25	31	17	39	11	5	17	30	17	27	37	22	21	35	28	44	31	28	46	47	35	29	....	....	28.1
Wardensville [3]	Maximum	40	36	39	41	61	38	54	40	44	42	30	24	37	42	38	44	55	43	41	41	63	52	55	68	55	38	69	55	35	....	....	45.5
	Minimum	24	11	17	31	19	21	11	21	20	12	18	17	11	13	28	12	20	24	16	18	24	30	22	25	22	25	34	30	30	....	....	20.9
Weston	Maximum	45	39	45	40	63	60	49	39	52	57	48	20	32	42	38	52	53	50	42	44	55	60	58	65	70	74	65	54	38	....	....	50.0
	Minimum	29	17	37	36	33	34	29	30	30	22	*20*	18	8	22	28	21	29	39	20	25	36	33	45	34	29	54	55	37	35	....	....	30.5
Wheeling [3]	Maximum	36	36	40	43	59	39	41	34	46	39	31	*24*	30	40	36	42	48	37	35	49	50	59	46	57	56	66	55	*51*	*34*	....	....	43.4
	Minimum	26	18	26	35	33	33	29	15	16	16	18	14	9	*20*	19	20	22	28	15	23	31	31	33	32	25	25	46	34	30	....	....	24.9
Williamson [2]	Maximum	45	42	46	47	66	39	55	48	52	58	52	*26*	35	45	41	54	56	41	50	49	57	72	64	69	68	74	70	48	36	....	....	51.9
	Minimum	28	26	28	39	27	28	26	26	30	26	26	20	8	9	30	25	27	40	31	31	36	36	43	39	39	41	52	44	34	....	....	30.9

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 3-30-44—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII MARCH 1944 No. 3

GENERAL SUMMARY

The month was cold and wet. All but one station in the northeastern panhandle division, one in the northern division, and two in the southern division were below normal in temperature. A cold period occurred from the 8th to 11th and the warm periods were 14–18th and 24–28th. Readings of zero or lower were recorded at one station on the 9th and at 9 stations on the 10th.

March was a wet month, being the ninth wettest of record and having the most March rainfall since 1936. There were the fewest forest fires of record for March. The greatest number of snow-lying days was 19 at Spruce Knob.

Wheat, rye, barley and grasses grew steadily but slowly during the month. It was a very poor March from the planting standpoint as very few oats, potatoes, and peas were sown due to the continually wet weather. At the end of the month, peach and plum buds were showing growth. Farm and urban water supplies were ample throughout the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 74 stations, was 40.2°, or 2.1° below the normal. The mean for the northeastern panhandle division was 39.2°; for the northern division, 39.4°; and for the southern division, 41.2°. The highest monthly mean was 45.6° at Charleston and the lowest, 32.9° at Bayard. The highest temperature was 87° at Oak Hill on the 15th and Hinton on the 26th, and the lowest, −14° at Cranberry Glades on the 10th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 132 stations, was 5.21 inches, or 1.29 inches above the normal. In the northeastern panhandle division the average was 4.73 inches; in the northern division, 5.60 inches; and in the southern division, 4.94 inches. The greatest monthly precipitation was 7.70 inches at Pickens, and the least, 3.50 inches at Arbovale. The greatest amount in any 24 consecutive hours was 2.03 inches at Stony River Dam on the 13th. The average monthly snowfall was 4.4 inches, or 1.7 inches below the normal. The greatest monthly snowfall was 22.0 inches at Pickens. The average number of days with .01 inch or more of precipitation was 15.

ERRATA

February 1944, Page 5: Greatest monthly precipitation 7.38 inches at Bluefield. Page 6: Athens total snowfall, 2.8; Greenbottom ending date of greatest 24-hour precipitation, 22d; Hamlin, total precipitation, 2.37; Oak Hill, maximum temperature, 68° on 23d: Ryan, total snowfall, 3.1.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	1	4	1	1	..	..	..	2	1	2	1	6	2	3	..	7	2	3	..	3	2	4	4	..	1	1	4	1	..
Gales	3	..	1	4	4	5	14	14	6	..	..	..	..	..	..	..	2	..	1	..	..	1	..	..	2	..	5	9	10	8	12
Glaze	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	16	8	1	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	5	5	5	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	1	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..	..	..	..	..
Thunderstorms	..	..	21	11	16	1	..	..	..	..	1	..	..	..	13	5	..	..	37	16	..	..	3	..	..	1	13	1	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes–inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.51	10	29.37	4	8.9	27	sw.	7	83	60	64	50	764
Columbus, Ohio	30.51	22	29.49	4	11.7	34	s.	25	80	65	69	44	854
Elkins	30.54	22	29.47	4	7.8	29	se.	6	87	61	69	43	826
Huntington Airp't	30.54	10	29.39	4	.....	21	s.	6	81	60	66	....	712
Parkersburg	30.53	21	29.39	4	7.5	30	nw.	4	82	60	60	35	763
Pittsburgh, Pa	30.54	22	29.61	20	12.0	35	se.	29	79	60	63	42	898

COMPARATIVE DATA FOR MARCH

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	34.9	.....	.....	5.52	5.24	5.46	4.91	.....	.....	.....	.....	.....
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	.....	.....	.....	.....
1893	40.7	84	3	0.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	0.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	0.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	0.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	94	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	0.49	0.40	0.79	0.55	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	34.4	63	7	0.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	6.58	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	0.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	0.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	52.7	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	−18	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	0.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	0.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
1942	44.1	89	0	3.49	3.51	3.87	3.64	15.5	12	9	10	12
1943	40.0	85	−17	3.13	4.57	5.28	4.59	6.5	12	12	8	11
1944	40.2	87	−14	4.73	5.60	4.94	5.21	4.4	15	10	7	14
Period	42.3	94	−18	3.08	4.06	4.13	3.92	6.1	12	11	7	13

Climatological Data for March 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	32.9	−4.8	73	15	−3	10	5.97	+1.46	1.52	5	15.0	13	11	6	14	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	28	39.6	−1.8	79	15	3	10	3.86	+1.39	0.86	13	.....	11	17	2	12	n.	E. L. Keister
Great Cacapon	Morgan	500	....	42.6	.....	79	15	16	3	5.19	.....	1.11	13	5.0	12	19	3	9	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	5.60	+2.55	1.19	13	4.0	15	....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	39.2	.....	78	16	10	10	6.23	.....	1.64	23	.....	12	11	8	12	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	39.7	−2.3	74	16	14	10	5.50	+2.18	1.23	13	.....	13	9	13	9	ne.	University Exper. Station
Martinsburg	Berkeley	435	52	38.7	−2.9	72	15	19	2†	5.56	+2.30	....	..	5.5	17	12	9	10	w.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	41.0	.....	82	15	5	10	4.04	+1.45	0.98	13	5.0	10	9	6	16	w.	R. E. Saville
Piedmont	Mineral	1,053	30	38.4	−2.8	77	15	14	9	5.55	+2.57	1.04	13	7.0	14	9	5	17	w.	C. A. Suter, Jr.
Romney	Hampshire	824	45	42.6	+0.2	81	15	16	9	5.43	+2.57	1.50	4	3.0	10	7	9	15	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	5.42	+2.07	2.03	13	14.5	10	3	6	22	w.	Fred Becker
Wardensville, 2¼ mi. NE.	Hardy	1,200	26	37.8	−4.1	80	15	10	10	3.62	+1.42	0.72	13	6.3	12	....	.....	....	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	4.79	+1.00	0.60	23	2.4	18	4	12	15	w.	L. Esle Bond
Benson	Harrison	1,080	19	38.8	−1.5	78	15	4	9	6.82	+3.36	1.52	5	10.0	19	10	9	12	.....	R. D. Marts
Bens Run	Pleasants	652	43	40.7	−2.8	79	15	14	9†	5.67	+1.63	0.73	23	4.0	17	17	7	7	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	33.8	.....	74	15	6	9	6.85	.....	1.33	5	10.5	16	....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	43.2	+1.3	77	15†	12	9	4.58	+1.11	0.74	23	.....	17	11	7	13	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	39.6	−2.3	74	15	5	10	4.90	+0.39	0.85	17	4.0	13	13	4	14	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	41.8	−2.5	80	16	6	10	6.01	+2.19	1.36	17	2.5	18	6	8	17	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	37.4	−2.3	77	15	11	10†	5.11	+2.09	0.93	5	3.0	16	10	8	13	se.	Clarksburg Water Board
Creston	Wirt	640	43	42.6	−1.4	81	15	9	10	5.73	+1.63	1.47	17	3.7	18	6	7	18	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	.....	.....	.....	.....	.....	.....	6.21	+2.44	1.14	5†	3.3	16	....	.....	.....	.....	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	6.16	+2.73	1.31	4	.....	14	....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	6.21	+3.07	1.15	5	0.5	15	....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	5.43	+1.89	1.21	4	T.	16	....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	6.00	+2.29	1.20	7	T.	14	....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	5.29	+1.54	....	..	.....	15	....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	45	38.4	−1.6	74	15	2	10	5.38	+1.58	1.06	23	4.5	17	5	5	21	w.	U. S. Weather Bureau
Fairmont	Marion	883	52	39.6	−1.9	82	15	13	9	6.10	+2.13	1.22	4	4.3	16	9	5	17	w.	J. C. Robinson
Glenville	Gilmer	738	56	43.2	−1.5	81	15	9	9†	6.42	+2.13	0.92	19	4.0	19	9	12	10	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	38.4	−3.1	77	15†	5	10	4.71	+0.95	0.79	13	2.7	13	11	4	16	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	39.4	.....	77	15	10	9	4.69	.....	0.76	12	0.8	16	5	9	17	sw.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	6.15	.....	1.25	17	2.7	20	7	7	17	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	4.79	+1.53	0.80	23	2.0	18	.....	.....	.....	.....	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW.	Marion	974	42	39.2	−3.1	79	15	8	10	6.61	+2.58	1.22	17	5.7	20	8	8	15	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	3	39.2	.....	80	15	10	9†	5.47	.....	1.20	17	1.1	15	10	6	15	w.	L. A. Crumrine
Morgantown, 3 miles N.	Monongalia	1,300	68	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	State Horticultural Farm
New Cumberland	Hancock	671	49	38.6	−0.8	77	15	12	9	5.29	+2.05	0.81	17	6.0	19	4	14	13	nw.	C. O. Valentine
New Martinsville	Wetzel	657	51	41.0	−2.3	81	15	13	9†	5.31	+1.52	0.70	23	1.2	15	13	7	11	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	40.4	−2.4	83	15	13	10	5.52	+2.03	1.18	6	1.6	13	8	6	17	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	39.1	−1.4	76	15	5	10	5.51	+1.30	1.41	5	7.5	18	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	4.99	+0.85	0.75	5	10.2	15	....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	34.4	−4.8	65	15†	−5	10	7.70	+1.79	....	..	22.0	19	10	5	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	4.70	+1.08	0.80	19	1.0	18	7	11	13	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	38.6	.....	76	15	11	10	5.34	+0.49	1.19	23	4.7	14	8	1	22	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	6.07	+2.15	1.02	5	1.0	16	....	.....	.....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	..	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	6.42	+1.31	1.54	23	14.0	15	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	42.4	−0.1	79	15	8	9	5.24	+1.55	0.83	23	3.0	20	10	6	15	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	38.2	−1.6	79	15†	11	9†	4.88	+1.69	0.87	5	5.0	15	8	9	14	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	5.82	+2.28	0.86	23	2.5	18	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	42.4	−1.4	80	15	11	10	5.93	+1.65	0.86	5	6.8	17	....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	37.0	−3.5	76	15	14	9†	6.13	.....	1.49	5	11.9	18	4	12	15	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	3.50	−0.31	0.82	13	3.5	12	10	9	12	w.	H. S. Sutton
Athens	Mercer	2,600	4	41.4	.....	76	26	6	10	4.00	.....	1.09	19	4.0	17	9	12	10	nw.	Concord College
Beckley	Raleigh	2,440	40	....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	.....	.....	.....	.....	.....	Post-Herald
Bluefield	Mercer	2,558	49	42.6	−1.8	77	26	12	9	4.93	+1.81	1.01	13	5.0	19	14	7	10	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	45.6	−1.8	83	15	15	9†	4.95	+0.45	0.76	19	T.	14	11	6	14	.....	Miss Jean Lucas
Charleston (Airport)	Kanawha	606	6	41.9	.....	78	25	9	10	4.92	.....	0.78	20	T.	15	6	5	20	ne.	Civil Aero. Administration
Clay	Clay	790	30	....	.....	.....	.....	.....	.....	5.26	+1.11	1.10	20	3.7	17	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	33.6	.....	69	15†	−14	10	5.76	....	1.06	12	8.2	16	11	5	15	w.	Department of Justice
Flat Top	Mercer	3,270	6	36.1	.....	73	26	−3	10	5.91	.....	1.24	19	5.4	15	12	5	14	nw.	U. S. Airway Station
Gary	McDowell	1,426	27	42.2	−0.3	81	27	10	10	5.70	+1.54	1.06	19	1.5	18	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	40.9	.....	80	15	9	10	5.48	.....	0.92	18	0.6	14	4	11	16	w.	State Forest Nursery
Hamlin	Lincoln	641	1	42.6	.....	83	15	10	9	5.82	.....	1.39	20	1.3	14	11	9	11	.....	F. E. Brown
Hinton	Summers	1,431	55	42.6	−1.5	87	27	10	10	4.76	+0.86	1.17	20	1.5	17	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	45.5	+0.5	82	15	17	10	5.52	+1.30	0.87	17	0.8	15	8	7	16	nw	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	4.87	+0.23	1.00	13	4.5	14	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	40.2	−1.9	76	15†	5	10	4.96	+1.32	0.90	19	2.2	13	9	7	15	w.	James B. Stuart
Logan	Logan	700	31	44.3	−2.8	82	15	15	10†	4.92	+0.20	1.03	20	T.	20	7	8	16	.....	Paul A. Simonds
London Locks	Kanawha	623	9	42.8	.....	80	15	14	10†	4.73	.....	0.90	13	.....	15	..	..	..	w.	Lockmaster
Madison	Boone	675	23	42.2	−0.5	78	15	12	10	5.43	+1.25	0.95	20	1.0	16	5	15	11	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	2	39.6	.....	87	15	7	10	3.36	.....	1.00	13	4.1	12	11	1	19	....	M. H. Martin
Pineville	Wyoming	1,350	2	43.5	.....	83	26	8	10	5.38	.....	1.21	20	0.5	16	14	6	11	.....	Charles Dameron
Point Pleasant	Mason	595	54	43.8	−1.4	79	15	15	9†	6.07	+1.98	1.58	20	0.1	10	12	1	18	w.	E. C. Winger
Rainelle	Greenbrier	2,424	13	38.6	−0.7	75	15†	−4	10	5.34	−0.21	1.00	12	10.0	19	12	3	16	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	40.4	−2.9	76	15	11	10	6.18	+2.29	1.04	20	.....	15	7	7	17	sw.	Lockmaster
Richwood	Nicholas	610	13	38.6	−2.2	78	16	0	10	4.61	−0.89	0.74	13	.....	16	12	4	15	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	2	41.2	.....	84	15	14	10	4.60	.....	....	..	1.5	16	6	11	14	.....	Sattis Simmons
Ryan	Roane	700	41	42.2	−0.6	80	15	9	10	4.92	+0.56	0.80	17	1.7	16	10	7	14	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	35.5	....	74	15	−5	10	4.13	.....	0.90	18	2.5	10	11	5	15	.....	Supt., State Forest
Spencer	Roane	789	45	41.0	−1.9	80	15	9	10	4.88	+0.81	1.00	17	6.5	14	4	8	19	.....	A. M. McKown
Summersville	Nicholas	1,900	8	39.1	.....	77	15	9	10	4.38	.....	1.02	13	8.0	15	17	9	5	.....	A. E. Dorsey
Sutton	Braxton	850	41	43.3	−0.9	79	15	8	10	5.15	+0.81	0.83	13	3.0	16	13	16	2	.....	C. B. Eakle
Union	Monroe	2,200	40	38.9	−4.5	77	15	6	10	4.26	+0.71	1.05	20	.....	15	..	..	..	.....	C. B. King
Webster Springs	Webster	1,500	12	44.2	.....	78	15	6	10	3.98	.....	0.79	19	.....	12	12	11	8	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	43.1	+0.5	78	15	3	10	4.66	+1.09	0.74	19	1.5	14	11	10	10	w.	Ashford General Hospital
Williamson	Mingo	673	43	44.6	−2.1	80	15	17	10	5.09	+0.55	1.16	20	T.	18	10	7	14	se.	J. E. Dotson
Winfield Locks	Putnam	571	6	41.4	.....	80	15	14	10	5.89	.....	1.23	17	1.0	18	9	7	15	se.	Lockmaster
State averages and extremes		.....	.....	40.2	−2.1	87	15†	−14	10	5.21	+1.29	2.03	13	4.4	15	10	7	14	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. * At Pickens No 2.

Daily Precipitation for March 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac	.19				1.52	.20	.61	*	*	.14			.79				.32	.02	.92	.09			.65	.32					.20			5.97
Brandywine	do				.27	.38		.30					.40	.46				.21	.30	.36	.44			.34						.40			3.86
Brushy Run [2]	do	.11				.95		.12	T.	T.				.78				.13	.03	.19	.58			.33	.08				T.	.09	.28		3.67
Harpers Ferry [2]	do	.40			.46			.49						1.19				.11	.36	.38	.39	.08		.32	.64				.11	.22	.38	.07	5.60
Inwood	do		1.06		.40			.30					.60	.43				.16	.10	.04	.35			1.64				.15		1.00			6.23
Kearneysville	do				.55	.10		.42					.29	.94				.36	.15	.30	.60			.93				.13		.68	.05		5.50
Knobly Mountain [2]†	do	.20	.30			1.18		.60		T.	T.			1.20					.14	.10	1.00			.26	.25				T.	T.	.40		5.63
Martinsburg [2]	do	.10			.01	1.05		.48						*1.10*				.09	.14	.25	.36	.21		.50	.42			.10		.12	.60	.01	5.54
McNeill †	do				.56	.35	T.	.25					.32	.66				.11			.74	.06		.64				T.		.35			4.04
Petersburg	do					.54	.02	.25					.89					.12	.16	1.03				.53						.36			3.90
Piedmont	do				.71		.58	.88					.60	.44			.02	.10		.60	.44	.01		.67	.04			.04		.42			5.55
Romney	do				1.50			.35					*	1.40				.16	.26	*	.72			.61						.43			5.43
Spruce Knob [2]†	do	.32	.06		.04	.33		.27	.05	.13				.37				.22	.13	.23	.32	T.		.07	.38			.04	.17	.14	.29		3.56
Stony River Dam [2]†	do				.16	.60		.64					.15	1.88				.46						.98	.33			.05		.17			5.42
Wardensville [2]	do	T.				.71	.02							.72				.06	.16	.21	.50	.11		.45	.19					.16	.33		3.62
Northern Division																																	
Aberdeen†	West Fork	.02			.33	.33	.11	.34	.09	.03			.23	.40				.55	.58	.56	.26	.09		.60	.10			.07	.10	T.	T.		4.79
Belington [2]	Tygart	.34	.01			.89	.01	.56	.06	.08				.76				.17	.32	.52	.50	.22		.33	.50				T.	.01	.03	T.	5.31
Benson †	West Fork	.08			.40	1.12	.10	.40	.20	.12			.05	.65				.93	.40	.37	.50	.08		.65	.40			.12	.05	.20			6.82
Bens Run	Ohio	*.05*			.49	.39	.30		.05				.61	.08			.09	.60	.38	.36	.47		T.	.73	.02				.56	.33	*.16*		5.67
Big Skin Creek†	West Fork	.02	T.		.32		.27	.34	.40	.11			.62				.11	.10	1.90	.56	.15	.06		.60	.08			.06		T.			5.70
Brandonville [2]	Cheat	.06		.10		1.33		.54	.12	.14				.83			.05	1.12		*	.91	T.		.50	.53			.32		.08	.22	T.	6.85
Brownsville †	West Fork	.11			.36	.32		.45	.03				.15	.44					.54	.44	.42	.27	.05	.69	.05			.03		.18	.05		4.58
Buckhannon	Tygart	.10				.48	.22	.45	.10	.10			.45	.45			T.	.85	.45	.42	T.	T.		.73						.10	T.		4.90
Cairo	Litl.Kanawha	.05			.49	.37	.10	.31	.06	.02				.47				1.36	.32	.30	.80	.03		.51	.25			.35		.19	.03		6.01
Clarksburg [2]	West Fork	.09			T.	.93		.42	.06	.02				.74				.70	.02	.43	.60	.16		.24	.41			.07	.08	T.	.14	T.	5.11
Crawford	do	.02			.32	.34	.07	.47	.05	.06			.46	.17			.17	.42	.67	.60	.12	.06		.57	.04			.04		.15			4.80
Creston [2]	Litl.Kanawha	.06	T.		.16	.61	T.	.50	.05	.05				.38				1.45	.02	.75	.72	.09		.22	.22			.20	.07	.03	.15		5.73
Dailey [2]†	Tygart	.29	T.		T.	.68	T.	.38	T.	.05	T			.60				.14	.39	.80	.50			*.40*	*.55*				*.04*	*.10*	T.		4.92
Dam 10, Mon. R. [2]†	Monongahela	.36	T.			1.14	T.	.50	.04	.02	T.			.76			.04	1.14	.14	.32	.64	.14		.16	.47			T.	.21		.13		6.21
Dam 13, O. R. [2]†	Ohio	.03	T.		T.	1.31	T.	1.23	.01	.02				.61				.65		.17	.88	.08		.11	.52				.30	T.	.24		6.16
Dam 15, Mon. R. [2]†	Monongahela	.11	T.			1.15	T.	.64	T.	.02	T.			.78			.03	1.03	.10	.33	.81	.13		.15	.48				.28	T	.17		6.21
Dam 19, O. R. [2]†	Ohio	T.	.02		.06	1.15		1.10	T.	.01				.45			.02	.44	T.	.36	.55	.02		.28	.28			.19	.18		.32	T.	5.43
Dam 20, O. R. [2]†	do	.07	T.		.05	.90		1.20		.02				.40			T.	.90		.35	.70			.28	.29			.15	.25	T	.44	T.	6.00
Elizabeth (Dam 3) [2]	Litl.Kanawha				.47	.60		.57	*	.12				.42				.20	.52	.42	.60			*	.68			*	.48		.21		5.29
Elk †	West Fork				.35	.15		*		*			*	1.10				.56	.16	.94	.12			.87				.23			.20		4.68
Elkins [1] †	Tygart	.07			.75	.18	.40	.05	.14	.15			.92	T.			.15	.45	.37	.40	.15	T.	T.	1.06				.01	03	.10	T.	T.	5.38
Fairmont [2]	Monongahela	T.	T.		.15	1.07		.65	.04	.08				.80			.06	.94		.18	.53	.35		.29	.43			.34		.05	.14		6.10
Glenville [2]	Litl.Kanawha	.18	.08		.06	.87	T.	.42	.20	.34				.71				.69	.07	.46	.92	.18		.42	.44			.06	.07	.11	.14		6.42
Grafton	Tygart	.02				.77		.47	.06	.04				.79				.54	T.	.66	.47	.04			.67			.08		.10	T.	T.	4.71
Hackers Creek †	West Fork	T.			.50	.65	.55		.32				1.02	.23				.67		.75	.60			.70	.21			.09		.52			6.81
Hall [2]	Tygart	.25	.03		T.	.79	T.	.70	.09	.12				.74				.32	.22	.55	.47	.19	T.	.27	.42			T.	.03	.02	.12	T.	5.33
Harrison Co. Airport [2]	West Fork	T.			.71	.06	.51	.05	.05	T.				.76			.21	.47	.24	.52	.17	T.	.01	.65				.15	.04	.09	T.	T.	4.69
Hastings	Ohio	.04			.49	.40	.21	.22	.06	.04			.04	.71			.02	1.25	.25	.24	.65	.05		.55	.25			.44		.20	.04	T.	6.15
Horner	West Fork				.60	.07	.25						.57	.50				.75	.30	.44	.23	.10		.65	.12			.08					4.66
Ireland	do	T.			.35	.12	.40	.35	.35				.20	.10				.60	.40	.60	.41	.08		.68				.05					4.69
Jane Lew	do	.01			.41		.45	.27	.07				.15	.50				.56	.45	.54	.22	.05		.59	.21			.08	.05	.14	.04		4.79
Kumbrabow St. For. †	[2] Tygart	*.60*			.38	.50	.22	*	.55	*			.81	.94			*	.70	*	.35	.49			1.00	.28			.08		.16	.26		7.32
Mannington	Monongahela	.01			.49	.63	.30	.23	.11	.06			.49	.27			.25	1.22	.35	.45	.48	.01		.60	.11			.34		.18	.03	T.	6.61
Middlebourne	Middle Is. Creek	.02			.19	.56		.39	T.	.01				.55			.02	1.20		.32	.78	T.		.41	.37			.17	.23		.25		5.47
Midvale [2]†	Tygart	.34	.03			.72		.49	.10	.15				.82				.18	.34	.52	.56	.08		.31	.53					.09	.07		5.33
Morgantown	Monongahela																																
Mt. Clare	West Fork	T.			.35	.61	.20	.26	.08	T.			.30	*.30*				.65	.17	.51	.16			.70	.18			.13	.01	.16	.02		4.79
New Cumberland	Ohio				.70	.62	.80	.21	.02	.02			.35	.20	.01		.23	.58	.05	.13	.42	.03		.30				.47		.10	.05		5.29
New Martinsville	do	T.			.61	.47	.50	.14	.03				.63				.04	.65	.24	.38	.35			.70				.34		.21	.02	T.	5.31
Parkersburg [1]‡	do	T.			.79	T.	1.18	T.	.06	T.			.43		T.		.28	.46	.31	.78	.01		.03	.52			.36	T.	.31	T.	T.	5.52
Parsons	Cheat	.05			.46	.95	.10	.60	.07	.05		T	.22	.54				.45	.32	.57	.15	.03		.71	.14			.01		.09	T.		5.51
Philippi [2]	Tygart	.20	T.			.75	T.	.57	.05	.09				.60				.34	.15	.53	.56	.27	.01	.25	.50			T.	T.	T.	.12	T.	4.99
Pickens	do	.36	.04		.45	.15	.35	T.	.45	.35			*	1.56			*	.17	.28	*	1.60			1.37	.10			.15		.11	.21		7.70
Roanoke	West Fork	.05			.33	.33	.14	.26	.01	.05			.40	.25				.56	.50	.80	.19	.07		.56	.08			.04			.08		4.70
Rockford †	do	T.			.44	.35	.12	.31	.09	T.			.36	.31			T.	.48	.48	.63	.21			.79	.17			.13		.19			5.06
Rowlesburg [2]	Cheat	.25	T			1.08	T.	.68	.05	.05				.70				.38	.11	T.	.26	.26		.50	.69				T	.16	.17		5.34
Saint Marys [2]	Ohio	.06	T.		.10	1.02		.66	.05					.64			.11	.80		.36	.70	.31		.29	.41			.23		14	.19		6.07
Salem	West Fork	.02			.46	.55	.19	.32	.03	.02			.43	.34			.14	1.10	.44	.55	.45			.54				.19	T.		T.	T.	5.77
Shinnston	do	T.	.01		1.15	.35	1.23		.08				.85				.10	1.00	.75	.51	.36		T.	.62				.27		.16			7.44
Terra Alta †‡	Cheat																																
Thomas [2]	do	.35	.10			.85		.53	.07	.18				1.06				.08	.50	.40	.60			.45	1.09								6.42
Valley Chapel	West Fork	.01			.46	.45	.12	.41	.10	.02			.03	.62				.65	.28	.58	.30	.04		.70	.13			.08	.03	.21	.02		5.24
Valley Head [2]	Tygart	.33	.01			.63	.02	.28	.04	.19	T.			.54				.10	.33	.36	.60	.05		.34	.52				.04	.12	T.	T.	4.50
Vandalia †	West Fork				.30	.26	.17	.36	.07				.49	.19			.08		1.00	.59	.14			.56						.14			4.35
Wellsburg (near)	Ohio				.63	.87	.48	.18	T.	T.			.24	.43			.18	.52	.05	.08	.14			.40				.47	.11		.10	T.	4.88
West Milford	West Fork	.07			.39	.62	.25	.30	.10				.30	.48				.67	.35	.50	.50	.05		.65	.21			.15		.18	.05		5.82
Weston [2]	do	.30	.02		T.	.86	T.	.48	.10	.18				.63				.48	.15	.52	.70	.31		.35	.52				.08	.04	.21		5.93
Wheeling (Dam 12) [2]	Ohio	.05	T.		.03	1.49		.80	.01	.02				.69				.90	.01	.15	.61	.11		.08	.58				.39	.01	.18	.02	6.13
Southern Division																																	
Arbovale [2]	Greenbrier	.07			.28	.37	T.	.34		.06				.82				.25	.25	.14	T.			.55				.07		.30		T.	3.50
Beckley	New																																
Bluefield	New	.04	.07		.37	.17		.21	.09	.03			*	1.01				.20	*	.75	.63			.22	.10			.44	.10	.45	.02		4.93
Camden-on-Gauley [2]	Gauley	.17	.02		.02	.18	.27	.25	.03	.06				.88				.20	.03	.36	.38	.28		.34	.35				.08	.20	.03		4.13
Charleston	Gr. Kanawha	T.			.42		.28	.32	T.	T.			.51	.08			.29	.46	.55	.76	.17			.53				.20		.31	.07		4.95
Charleston (Airport) [4]	do	T.			.50	T.	.58	.02	.08	T.			.48				.29	.46	.55	.76	.17		.02	.33				.32	.17	.19	T.		4.92
Clay [2]	Elk	.06	.12		.13	.68		.34	.12	.14				.72				.38	.11	.26	1.10	.14		.14	.51					.12		.19		5.26
Flat Top [4]	New	T.			.66	T.	.22	.13	.10	.02			1.03				T.	.35	.19	1.24	.37	T.	.04	.32				.44	.64	.16		T.	5.91
Gary [2]	Big Sandy				.26	.48		.33	.05	.09			.56	.36				.01		1.06	.87	.03	.01	.17	.09			.30	.37	.49	.17		5.70
Greenbottom [2]†	Ohio				.70	.13		.15	.02				.24				.23	.82	.92	.73	.29	.01		.75				.18		.31			5.48
Hinton [2]	New	.04	T.		.12	.40		.22	.02	T.			.22	.74				.09		.35	1.17	.12		.27	.03			.09	.19	.58	.11		4.76
Hogsett [2]	Ohio	T.			.22	.55		.99	.03	.04			T.	.25				1.52	.01	.63	1.15	.01	.02	.27	.25			.10	.08	.02	.35		6.49
Huntington	do	T.			.54	.03	.66	.36	.06			T.	.28				.40	.87	.37	.73	.18	T.		.46				.23		.30	.05		5.52
Kayford [2]	Gr. Kanawha				.50			.48	.10	.15				1.00					.55	.30	.75	.12		.13	.33			.08	.20	.18			4.87
Lewisburg	Greenbrier	T.			.32	.35		.25		T.			.76	.20				.24	.22	.90	.24			.62				.16	.06	.64			4.96
Logan [2]	Guyandot	.05	.01		.26	.24		.73	.02	.04			.06	.64				.20	.06	.25	1.03	.05		.07	.20			.43	.07	.32	.19		4.92
London Locks [2]†	Gr. Kanawha	.03	T.		T.	.38		.54					T.	.90				.10	.18	.42	.83	.10	T.	.23	.33			.07	.25	.23	.14		4.73
Madison [2]	Coal	T.			.29		.30	.59	.01	.05				.78					.32	.41	.95	.08		.15	.40			.38	.04	.51	.17		5.43
Oak Hill	New	.04			.35		.20	.12	.13	.15				1.00				.30	.27	.87				.40				.05		.48			4.36
Pineville	Gr. Kanawha	T.			.60			.43	T.	.05			.62	.43				.27	.04	.47	1.21	.03		.19	.18			.12	.03	.50	.21		5.38
Point Pleasant [2]	Ohio	T.			.23	.60		1.29	T.	T.			T.	.32	T.			1.05	T.	T.	1.58	T.		.40	.15			.10		T.	.35		6.07
Princeton [2]	New	T.			.07	.75		.18	T.					.81				.27	.81	.55	.11			.20				.15	.15	.45	.05	T.	4.55
Rainelle	Greenbrier	.05			.42	.22	.01	.35	.13	.15			1.00	.16				.32	.20	.80	.21	.01		.63				.18	.01	.47	.02	T.	5.34
Ravenswood [2]	Ohio	.08			.10	.82		.83	T.					.40				1.02		.62	1.04	.03		.29	.34			.12	.13	T.	.34	.02	6.18
Richwood [2]	Gauley	.14			.03	.62			.34	.21				.74				.44	.07	.46	.52	.12		.18	.29			.18	.22	.05			4.61

Continued on next page.

Daily Precipitation for March 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ryan	Gr. Kanawha				.44	.03	.48		.10				.40	.10			.21	.80	.60	.71	.16	.04		.50				.17		.15	.03			4.92
Seneca State Forest†	Greenbrier				.42			.40						.84				.19	.90	.12	.17			.56				.10		.43				4.13
Spencer [2]	Litl.Kanawha				.27	.42		.57						.52				1.00	.05	.48	.37	.32		.21	.29			.15	.05		.18			4.88
Summersville [2]	Gauley	.10				.40	.05		.25	.20		T.		1.02				.25		.40	.70	.15		.28	.25				.10	.23		T.		4.38
Sutton	Elk	.08			.31	.41		.31					.40	.43				.65	.45	.60	.38	.05		.65	.12			.08		.18	.05			5.15
Thornwood [2]	Greenbrier												.05	.55					.15	.10	1.05	.15		.40	.19			.10	.07	.65	.08			4.26
Union [2]	New	.10				.35		.27					.06	.24				.93	.12	.52	1.12			.40						.29	.01			5.17
Wayne [2]	Twelvepole	.03		T.	.37	.25		.83										.41	.20	.79	.09			.76				.14		.25				3.96
Webster Springs	Elk	.20			.18		.30			.10			.56					.31	.16	.74	.24			.51				.21	.05	.69				4.66
White Sulp'r Spgs. [2]	Greenbrier	.04			.13	.24		.44	T.	T.			.68	.22				.31	.16	.74	.24							.18	.04	.41	.26			5.09
Williamson [2]	Big Sandy	.05			.45	.26		.78	.06	.01			.25	.45				.20	.01	.33	1.16	.01			.18			.03	.10	.02	.22	.01		5.89
Winfield Locks [2]†	Gr. Kanawha	.21			.10	.43		1.09	.07	T.			T.	.32				1.23	.08	.59	.85	.07		.22	.25			.03	.10	.02	.22	.01		5.89

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage *Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for March 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	*28*	44	54	39	*35*	40	38	*24*	18	30	55	44	44	61	73	65	48	43	*54*	31	30	47	50	56	70	62	62	45	40	48	38	45.0
	Minimum	15	10	12	35	18	19	24	18	6	−8	5	7	27	18	19	30	43	34	16	14	16	14	30	30	20	23	38	28	28	25	25	20.8
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	27	50	55	57	61	*48*	50	42	25	40	46	*45*	54	68	72	72	65	58	*40*	39	42	44	56	58	63	77	*69*	61	42	47	47	52.3
	Minimum	20	23	36	44	*32*	32	34	19	12	13	25	*40*	35	30	42	54	46	*35*	30	28	26	32	36	35	40	42	*55*	38	34	29	28	32.9
Brandywine	Maximum	45	46	61	52	40	41	50	45	35	39	57	51	53	64	79	75	65	60	35	40	45	48	55	60	70	68	71	70	44	55	50	53.8
	Minimum	19	10	20	29	24	21	34	20	11	3	11	25	33	19	36	40	44	30	18	17	24	20	33	32	24	33	40	35	30	27	28	25.5
Buckhannon	Maximum	32	40	58	58	49	60	55	44	34	32	56	55	48	60	74	73	60	48	35	42	37	59	55	55	72	70	60	62	58	55	45	52.9
	Minimum	19	15	23	38	23	27	32	18	9	5	17	28	13	23	32	46	40	21	19	29	26	20	38	26	24	36	43	30	38	33	21	26.2
Cairo	Maximum	33	45	61	62	60	57	62	42	27	36	60	63	53	61	78	80	71	49	35	34	41	58	63	57	71	71	67	66	56	57	43	55.5
	Minimum	25	14	21	38	27	29	32	20	10	6	17	27	31	23	30	45	42	33	23	30	30	26	42	30	27	34	37	27	43	24	25	28.0
Charleston (Airport)	Maximum	33	51	63	67	43	69	46	30	32	45	62	52	47	69	82	73	56	48	45	41	42	63	54	62	78	69	69	49	59	49	50	54.8
	Minimum	23	17	24	40	30	29	30	19	11	9	20	35	26	26	35	47	34	33	27	30	28	28	42	32	30	39	35	35	35	25	25	29.0
Clarksburg [3]	Maximum	32	42	60	56	32	60	40	*37*	24	35	58	50	45	60	77	70	48	43	34	34	37	60	53	57	74	60	66	49	55	46	43	49.4
	Minimum	23	17	18	21	30	27	31	23	12	11	11	12	26	26	26	30	*43*	*34*	21	21	30	27	30	32	28	28	38	32	33	30	24	25.4
Cranberry Glades	Maximum	18	41	51	52	49	32	42	29	19	33	44	40	42	61	69	63	40	46	38	44	39	39	48	53	65	69	64	53	38	45	38	45.3
	Minimum	14	5	14	30	24	21	28	12	4	−14	4	32	30	18	25	35	37	30	22	21	21	22	31	30	20	29	45	31	28	12	22	22.0
Elkins	Maximum	25	43	56	58	43	50	49	32	20	32	57	46	44	64	74	69	54	44	37	39	35	52	54	56	70	66	62	52	48	47	40	49.0
	Minimum	18	12	22	43	26	26	31	17	6	2	13	42	27	23	32	53	41	26	24	27	27	23	39	33	27	36	40	31	37	29	27	27.7
Fairmont [3]	Maximum	35	45	62	45	33	59	46	*36*	29	42	65	49	50	60	82	69	45	*45*	32	30	33	44	60	62	62	76	66	67	50	53	49	51.2
	Minimum	23	17	20	28	28	28	33	23	13	14	17	29	33	26	29	38	45	*32*	20	23	30	30	31	32	30	37	40	31	35	27	27	28.0
Flat Top	Maximum	19	45	52	58	42	40	45	27	21	35	47	41	48	65	72	63	53	55	32	37	37	38	50	54	68	73	59	41	36	46	41	46.5
	Minimum	15	10	31	42	27	28	24	12	0	−3	11	32	26	24	32	51	37	30	24	23	22	27	32	29	28	34	41	30	31	23	23	25.7
Gary [3]	Maximum	29	53	59	66	41	65	48	36	30	43	61	49	56	70	79	71	56	60	40	43	51	54	59	62	76	81	65	49	53	51	48	55.0
	Minimum	25	19	18	27	35	31	36	23	12	10	11	24	35	28	28	34	42	31	32	37	31	31	38	33	30	30	39	41	41	29	28	29.3
Glenville	Maximum	33	48	64	65	59	63	65	41	29	42	63	59	51	68	81	79	59	49	35	40	39	63	59	62	78	72	68	65	58	56	48	56.8
	Minimum	24	17	22	31	29	30	33	22	9	9	19	30	34	25	32	46	42	33	24	31	30	28	42	37	31	39	40	30	43	26	25	29.6
Grafton	Maximum	30	39	61	60	52	54	55	43	26	34	58	58	49	59	77	77	70	44	37	35	37	60	60	55	70	70	67	67	52	53	49	53.5
	Minimum	16	9	15	34	22	24	28	15	6	5	11	22	27	18	27	42	35	29	16	21	24	21	35	27	23	32	38	24	35	22	19	23.3
Hamlin	Maximum	34	50	54	70	*63*	70	44	*31*	32	45	62	*57*	45	69	83	73	56	38	49	38	45	63	*63*	65	81	77	69	50	60	46	54	55.7
	Minimum	27	20	28	34	26	22	31	25	10	15	17	*38*	34	24	35	45	45	32	30	28	30	28	30	*28*	28	38	42	36	37	25	24	29.4
Huntington	Maximum	35	48	63	69	63	70	58	41	34	44	63	58	52	68	82	78	63	52	36	35	44	65	61	63	77	75	68	62	61	48	51	57.6
	Minimum	28	22	28	45	31	32	33	23	18	17	25	42	32	29	37	50	43	36	27	31	32	33	44	34	34	39	48	36	45	29	33	33.4
Lewisburg	Maximum	27	48	58	63	59	42	47	39	25	40	53	50	52	69	76	73	66	55	42	37	46	46	50	56	71	76	71	62	43	52	46	52.9
	Minimum	20	12	17	36	30	26	35	20	11	5	18	32	33	20	28	36	46	25	27	26	27	26	34	29	27	34	50	36	34	26	23	27.4
Logan [3]	Maximum	34	55	63	72	45	72	47	*38*	32	48	62	51	52	70	82	73	53	50	46	45	48	61	55	65	80	78	69	55	60	50	53	56.9
	Minimum	28	23	23	30	38	32	38	27	18	15	15	26	38	32	32	37	46	35	35	34	33	32	32	35	32	32	43	42	42	31	28	31.7
Madison [3]	Maximum	52	*60*	62	69	46	70	45	27	31	45	*56*	62	50	69	78	72	55	47	46	40	45	61	54	62	72	75	68	51	59	48	*49*	55.7
	Minimum	19	19	25	*31*	30	30	31	24	14	12	13	28	*35*	27	28	37	45	32	30	30	30	28	30	32	30	30	40	37	38	27	28	28.7
Mannington	Maximum	34	43	61	56	43	57	53	36	26	38	60	52	47	60	79	73	58	45	33	33	40	60	56	59	74	69	66	58	54	53	43	52.2
	Minimum	22	12	17	38	27	27	31	21	12	8	15	23	30	21	28	46	41	32	19	25	29	21	40	28	24	32	36	27	40	22	26	26.3
Martinsburg [3]	Maximum	40	48	51	40	33	37	48	37	30	36	50	44	53	70	72	60	53	*54*	30	39	45	47	60	62	60	62	49	*42*	50	46	44	48.1
	Minimum	25	19	22	29	21	22	24	27	20	19	20	24	34	30	34	41	52	40	22	19	21	20	36	39	31	44	42	38	33	28	32	29.3
New Martinsville	Maximum	36	48	62	59	42	52	53	38	33	45	65	59	50	62	81	75	59	47	35	33	40	58	51	65	75	70	67	59	56	56	48	54.2
	Minimum	23	15	20	38	24	28	30	20	13	13	18	26	27	25	29	52	39	31	20	26	28	25	38	26	26	32	37	28	42	35	28	27.8
Parkersburg	Maximum	32	44	62	51	35	62	45	30	27	40	60	51	45	62	83	68	56	44	32	32	36	60	54	60	74	64	67	48	55	42	46	50.5
	Minimum	24	21	27	33	25	31	27	19	15	13	27	36	31	28	38	56	42	24	23	28	31	29	42	34	36	35	38	34	34	28	32	30.4
Pickens	Maximum	30	45	58	42	40	51	40	33	32	30	51	45	52	56	65	62	45	42	40	34	36	40	48	60	63	65	*65*	*51*	54	46	41	47.2
	Minimum	16	7	*16*	*30*	17	19	30	15	3	−5	15	26	18	20	22	35	34	28	20	18	20	*21*	33	27	26	27	30	*31*	30	21	18	21.5
Point Pleasant	Maximum	38	44	60	61	62	61	61	42	32	40	62	61	52	51	79	78	59	50	*42*	31	38	61	62	61	71	68	62	62	60	57	51	55.5
	Minimum	27	19	27	43	27	30	32	27	15	15	25	37	31	28	36	50	42	31	25	30	30	31	42	36	34	37	45	34	45	29	21	32.0
Rainelle	Maximum	23	49	55	61	49	38	44	41	26	39	49	51	49	68	75	70	66	54	38	38	40	45	50	59	72	75	75	60	41	48	45	51.4
	Minimum	18	8	19	33	27	22	31	17	8	−4	13	33	34	21	27	33	44	26	27	25	25	25	34	33	24	31	51	34	32	25	23	25.8
Ravenswood	Maximum	30	43	53	61	61	62	49	42	37	58	49	47	64	76	59	49	39	32	30	39	58	57	56	70	69	63	48	47	41	47	51.5	
	Minimum	25	16	24	40	21	29	31	21	14	11	23	36	30	24	33	46	40	36	23	28	28	29	40	29	31	30	41	32	38	26	30	29.2
Romney	Maximum	47	45	61	60	*41*	42	49	47	28	38	54	49	49	57	81	80	72	72	38	29	45	48	50	61	76	72	70	68	49	57	53	54.5
	Minimum	24	23	42	41	25	21	31	22	16	22	15	27	37	24	33	55	47	37	20	20	24	22	36	40	28	43	38	36	32	35	34	30.6
Spencer [3]	Maximum	33	48	61	65	*40*	62	43	*31*	50	44	60	51	48	67	80	72	49	*43*	36	34	49	61	52	61	45	72	67	49	55	46	45	52.2
	Minimum	24	16	21	49	26	29	31	22	12	9	19	37	33	24	33	45	43	34	24	31	28	28	40	32	29	37	44	30	43	24	27	29.8
Summersville	Maximum	26	46	66	62	56	54	53	32	28	37	50	46	41	70	77	68	48	53	41	44	37	52	60	57	73	73	63	62	60	43	44	52.3
	Minimum	18	12	16	32	26	24	26	18	21	9	11	33	33	30	28	38	43	28	25	19	25	22	31	33	24	31	34	33	31	22	26	25.9
Sutton	Maximum	37	47	62	64	64	56	56	48	32	41	58	58	51	69	79	77	66	50	45	41	42	57	57	62	77	77	68	68	61	61	52	57.5
	Minimum	19	16	21	36	29	28	34	24	14	8	17	30	33	25	32	40	45	33	25	34	30	26	40	39	28	34	41	30	40	27	25	29.1
Wardensville [3]	Maximum	35	43	63	38	30	42	51	34	27	36	57	44	51	57	80	77	61	57	39	28	45	48	59	58	72	68	68	49	49	54	46	50.5
	Minimum	23	12	17	19	10	18	31	21	15	10	12	17	34	22	27	34	38	39	22	18	20	19	23	36	26	38	35	37	33	32	28	25.0
Weston	Maximum	36	48	62	62	*43*	61	45	28	28	40	62	50	48	67	80	72	57	43	38	36	38	61	54	62	76	70	68	49	59	49	46	52.9
	Minimum	23	20	23	43	31	31	28	24	12	11	19	31	36	26	39	53	46	34	23	30	31	29	42	39	30	40	64	33	42	27	33	32.0
Wheeling [2]	Maximum	33	42	56	41	37	52	40	*30*	28	35	60	49	47	53	76	62	45	*43*	31	33	42	55	50	58	70	57	62	48	53	43	41	47.5
	Minimum	24	18	19	27	24	22	30	21	14	14	19	26	30	26	29	36	42	31	19	19	27	25	26	32	31	32	35	31	32	29	30	26.5
Williamson [2]	Maximum	35	51	63	70	45	69	45	*36*	32	45	60	52	53	70	80	72	57	50	48	43	49	62	55	63	77	78	68	52	63	51	52	56.3
	Minimum	29	26	26	31	35	34	36	25	19	17	18	29	37	33	33	39	47	36	36	35	33	33	35	35	34	35	44	42	42	32	30	32.8

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations.

(WBO, Columbus, Ohio, 4-29-44—925)

UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII APRIL 1944 No. 4

GENERAL SUMMARY

The month was cool and very wet in most places. All stations, except in a few counties in the central, the extreme northern and the extreme southwestern parts of the State averaged below normal in temperature. The cold periods were: 1–6th, 13–14th, and 28–30th; the warm periods were: 8–11th, 19th–23d, and 30th. Heavy to killing frosts occurred quite generally as late as the 29th. Precipitation was well above normal. However, the extreme eastern counties averaged somewhat below normal, with a few very dry places in Pendleton and Greenbrier Counties. The northeastern panhandle division averaged 100% of normal; the northern division, 139%; and the southern division, 125%. The north-central part of the State was very wet, with two stations in Tucker County reporting excesses of over three inches. The number of rainy days equalled the record for April. Snowfall was slightly above normal and practically all of it fell on the 4–5th.

All winter grains made good growth during the month. However, the almost continuous wet weather delayed the planting of oats, potatoes and garden truck. In the case of oats the delay was serious. Very little corn ground was prepared for planting. Fruit trees had an abundance of bloom and the brambles and bush fruits were showing excellent condition at the month's close.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 74 stations, was 50.7°, or 1.0° below the normal. The mean for the northeastern panhandle division was 49.4°; for the northern division, 50.5°; and for the southern division, 51.4°. The highest monthly mean was 56.2° at Charleston and Huntington and the lowest, 42.8° at Pickens. The highest temperature was 90° at Charleston and Pineville on the 22d and the lowest, 11° at Pickens on the 5th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 130 stations was 4.43 inches, or 0.89 inch above normal. In the northeastern panhandle division the average was 3.10 inches; in the northern division, 5.18 inches; and in the southern division, 4.07 inches. The greatest monthly precipitation was 9.20 inches at Kumbrabow State Forest, and the least, 1.79 inches at Brandywine. The greatest amount in any 24 consecutive hours was 2.56 inches at Pickens No. 2 on the 12th. The average monthly snowfall was 2.4 inches, or 0.6 inch above normal. The greatest monthly snowfall was 14.0 inches at Pickens No. 2. The average number of days with .01 inch or more of precipitation was 15.

ERRATA

MARCH 1944.—Page 10: Elkins, mean temperature 38.3; Sutton, total precipitation 5.30, departure −0.96; Union, highest temperature 78 on 27th; Webster Springs, mean temperature 44.0; Weston, mean temperature 42.0; White Sulphur Springs, highest temperature 80 on the 27th. Page 12: Sutton, precipitation on 8th 0.10, 9th 0.05; Weston, minimum temperature on 15th 32, on 27th 38, mean minimum 31.0.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	1					1	1	4		2	3	10						3	12	4	4	3	1			3	3	2		
Frosts, killing													12																19	15	
Gales	1	1	3	8	4	1	2		1	2	8	4	2	2	5	4	2		1	1	2		5	6	7			2	1	1	
Hail											3	2			3		1							1		1					
Halos, lunar				1			1																								
Halos, solar		1																													
Sleet		1																													
Thunderstorms							1	4	4	5	31	20			9	1	2	4	4	3	1	2	12	9					1		

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes–inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.50	28	29.34	15	8.9	26	sw.	15	81	54	59	63	347
Columbus, Ohio	30.49	29	29.33	15	10.2	39	sw.	24	78	56	61	53	428
Elkins	30.50	29	29.43	12	7.5	29	w.	15	80	61	63	41	503
Huntington Airp't	30.49	29	29.43	15	.....	34	sw.	8	80	50	63	....	362
Parkersburg	30.49	29	29.39	15	7.6	27	se.	11	76	54	56	41	381
Pittsburgh, Pa	30.52	29	29.35	15	11.1	35	s.	11	76	55	57	48	449

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	.....	.....	1.64	3.08	2.50	2.81	.....	.....	.....	.....	.....
1892	50.6	87	17	3.16	4.31	4.83	4.28	.....	7	.....	.....	.....
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	.....	9	11	9	10
1896	**57.7**	95	12	1.56	2.20	2.06	2.06	.....	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	.....	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	.....	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	0.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	0.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	0.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	0.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	0.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	0.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	0.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	0.1	11	10	9	11
1915	55.5	101	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	0.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	0.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	0.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	0.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	101	6	3.01	2.51	3.18	2.89	0.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	0.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	0.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	0.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	0.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	0.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	0.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	0.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
1942	54.7	97	13	1.63	2.40	1.30	1.86	0.5	7	15	8	7
1943	47.8	85	10	2.92	4.18	3.74	3.84	3.5	13	9	10	11
1944	50.7	90	11	3.10	5.18	4.07	4.43	2.4	15	8	10	12
Period	51.7	101	−4	3.09	3.74	3.46	3.54	1.8	11	11	8	11

Climatological Data for April 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	43.6	−0.1	73	9†	17	4†	5.93	+2.09	1.53	2	4.0	17	9	11	10	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	28	48.8	−1.1	80	9	18	1†	1.79	−0.88	0.95	12	.....	5	16	2	12	.....	E. L. Keister
Great Cacapon	Morgan	500	....	52.0	.....	80	9	24	1	3.01	.....	0.78	27	.....	14	13	5	12	n.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	2.58	−0.67	0.39	2†	.....	16	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	50.4	.....	80	30	24	3	3.13	.....	0.78	12	.....	13	5	13	12	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	51.7	+0.4	79	30	26	3	3.06	−0.22	0.69	16	.....	10	7	14	9	n.	University Exper. Station
Martinsburg	Berkeley	435	52	49.2	−2.4	78	30	26	1	3.01	−0.10	0.65	15	.....	15	3	7	20	sw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	49.6	−2.2	82	30	18	1	2.76	−0.20	0.74	24	.....	10	6	8	16	w.	R. E. Saville
Piedmont	Mineral	1,053	30	49.0	−1.4	78	30	24	5	3.70	+0.69	0.99	26	1.5	14	5	9	16	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	45	50.8	−0.9	81	30	24	1	2.84	−0.13	0.81	27	.....	9	5	9	16	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	6.57	+2.82	1.56	2	6.0	17	2	7	21	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	26	48.4	−1.2	78	9	19	4	2.76	+0.22	0.72	27	T.	12	....	.....	....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	5.32	+1.52	0.99	27	0.8	19	3	16	11	w.	L. Esle Bond
Benson	Harrison	1,080	19	50.6	−2.0	83	22	20	1	4.88	+1.67	0.90	27	2.5	18	4	17	9	.....	R. D. Marts
Bens Run	Pleasants	652	43	52.6	−0.2	83	23	25	3†	3.85	−0.19	0.73	27	.....	17	.....	.....	.....	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	45.6	.....	74	30	17	5	4.59	.....	0.91	2	3.0	15	.....	.....	.....	.....	James 1. Galloway
Brownsville	Lewis	1,032	20	52.9	+0.6	88	22	24	5	5.36	+2.00	0.86	27	.....	17	6	13	11	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	50.1	−1.0	89	23	21	5	6.75	+2.86	0.95	19	T.	17	10	10	10	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	52.4	−1.6	85	23†	21	3	5.03	+1.57	0.96	12	0.5	18	4	18	8	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	49.1	−2.1	85	23	22	1	4.94	+1.57	0.90	27	1.0	19	8	12	10	se.	Clarksburg Water Board
Creston	Wirt	640	43	53.5	+0.1	89	23	20	5	4.65	+0.99	1.37	12	0.7	16	5	13	12	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	.....	.....	.....	.....	.....	.....	4.19	+0.72	0.87	27	T.	17	.....	.....	.....	.....	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	3.95	+0.63	0.83	24	0.5	19	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	4.27	+0.98	0.88	27	T.	18	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	3.34	+0.16	0.83	8	.....	16	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	4.55	+1.31	1.24	12	.....	14	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	4.90	+1.73	1.60	12	.....	13	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	45	48.4	−0.4	81	22	20	5	5.41	+1.79	1.35	12	4.4	20	3	9	18	w.	U. S. Weather Bureau
Fairmont	Marion	883	52	52.8	+1.0	88	23	23	5	4.70	+1.43	0.92	27	1.7	19	8	7	15	w.	J. C. Robinson
Glenville	Gilmer	738	56	54.6	+0.7	89	22	25	1†	4.92	+1.16	0.95	12	0.5	17	11	11	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	48.8	−2.7	84	23†	17	1	4.31	+1.02	0.81	27	1.0	16	11	9	10	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	50.8	.....	85	23	22	5	4.30	.....	0.78	27	0.5	19	3	12	15	s.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	4.87	.....	0.88	27	0.5	19	9	9	12	nw.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	5.23	+1.58	0.90	27	.....	14	.....	.....	.....	.....	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW.	Marion	974	42	50.4	−0.7	84	23	21	1†	5.92	+2.22	0.92	27	1.5	21	5	10	15	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	3	51.6	.....	85	23	23	5	4.25	.....	0.67	2	T.	14	6	9	15	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	68	52.0	−0.3	85	23	21	5	4.27	+1.12	0.90	27	T.	18	7	5	18	w.	State Dairy Farm
New Cumberland	Hancock	671	49	49.6	+0.4	82	30	20	3†	3.89	+0.61	0.93	8	1.0	17	5	6	19	nw.	C. O. Valentine
New Martinsville	Wetzel	637	51	52.5	−0.6	84	23	22	3	3.85	+0.35	0.67	1	T.	16	11	12	7	w.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	52.6	−0.8	84	23	24	5	3.53	+0.34	0.92	12	0.8	18	6	10	14	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	49.0	−0.2	83	22	21	5	6.76	+3.00	0.74	24	5.5	20	.....	.....	.....	.....	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	5.05	+1.33	1.03	27	2.5	18	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	42.8	−5.3	75	22	11	5	8.05	+2.86	1.25	12	12.0	17	10	6	14	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	4.73	+1.15	0.80	11	T.	19	5	12	13	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	49.9	.....	78	23	22	5	6.51	+2.32	1.15	2	1.5	16	7	1	22	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	4.27	+0.85	0.78	12	.....	18	....	....	....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	...	.....	.....	..	.....	..	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	7.69	+3.51	1.70	2	7.5	16	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	51.9	−1.2	88	22†	20	5	5.20	+1.79	0.90	27	1.1	19	6	13	11	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	49.7	+0.1	80	30	20	3	5.14	+1.98	1.64	24	T.	14	9	10	11	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	5.41	+1.59	1.03	27	.....	18	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	53.8	+1.0	88	22†	24	6	5.36	+1.85	0.99	27	0.7	19	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	50.0	−1.6	80	9	24	5	5.79	+2.56	1.38	8†	1.7	19	7	11	12	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	3.16	−0.06	1.11	12	2.0	14	7	14	9	w.	H. S. Sutton
Athens	Mercer	2,600	4	50.9	.....	79	22	15	5	2.52	.....	0.67	11	0.5	12	6	18	6	nw.	Concord College
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	.....	...	.....	.....	..	.....	..	.....	.....	.....	.....	Post-Herald
Bluefield	Mercer	2,558	49	52.6	−1.0	79	22†	18	5	3.32	+0.21	1.50	12	9.0	14	16	6	8	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	56.2	−0.1	90	22	25	5†	3.51	−0.36	1.45	11	1.2	14	11	12	7	.....	Miss Jean Lucas
Charleston (Airport)	Kanawha	606	6	53.1	.....	89	22	25	1†	3.97	.....	1.91	12	T.	19	3	11	16	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	4.41	+0.97	1.12	12	1.0	14	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	43.4	.....	74	22	14	5	4.60	.....	1.09	12	9.4	13	6	12	12	w.	Department of Justice
Flat Top	Mercer	3,270	6	46.2	.....	76	22	14	5	3.99	.....	1.67	12	8.0	16	9	11	10	nw.	U. S. Airway Station
Gary	McDowell	1,426	27	51.6	−1.8	86	22	22	5†	3.41	−0.08	1.41	12	5.5	12	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	53.3	.....	87	22	24	5	2.59	.....	0.71	8	0.6	13	5	9	16	w.	State Forest Nursery
Hamlin	Lincoln	641	1	52.2	.....	89	22	18	5	3.12	.....	1.81	12	1.0	9	5	17	8	.....	F. E. Brown
Hinton	Summers	1,431	55	53.1	−0.1	88	23	20	5	3.41	+0.21	1.60	12	1.0	10	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	56.2	+1.6	89	22	25	5	4.80	+1.29	2.49	12	0.9	16	6	8	16	nw	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	4.88	+0.82	1.73	12	5.5	12	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	48.6	−1.9	80	22	18	1†	2.58	−0.74	0.68	11	2.4	9	11	12	7	.....	James B. Stuart
Logan	Logan	700	31	54.3	−3.0	89	23	26	5†	4.35	+0.20	1.84	12	T.	11	4	11	15	.....	Paul A. Simonds
London Locks	Kanawha	623	9	54.6	.....	88	22	28	5†	4.79	.....	1.67	12	0.5	17	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	23	51.4	−2.9	85	23	23	5	4.43	+0.59	1.77	12	.....	17	.....	.....	.....	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	2	49.4	.....	83	22	19	4†	4.53	.....	1.10	12	5.5	15	11	1	18	.....	M. H. Martin
Pineville	Wyoming	1,350	2	54.0	.....	90	22	23	5	5.28	.....	1.89	12	.....	12	17	5	8	.....	Charles Dameron
Point Pleasant	Mason	595	54	54.6	−0.3	86	22	25	5	4.24	+0.93	1.49	12	T.	10	14	2	14	se.	E. C. Winger
Rainelle	Greenbrier	2,424	13	48.6	+0.4	79	22	17	5	4.61	+0.42	1.01	12	13.0	16	10	6	14	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	51.9	+1.9	81	22†	24	5	4.56	+1.40	1.32	12	0.5	14	8	6	16	nw.	Lockmaster
Richwood	Nicholas	610	13	50.2	+0.3	80	23†	17	6	4.79	+0.95	1.90	12	8.0	9	6	7	17	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	2,193	2	.....	.....	.....	.....	.....	.....	...	.....	...	..	.....	..	.....	.....	.....	.....	Sattis Simmons
Ryan	Roane	700	41	52.8	+0.8	87	22	19	5	3.99	+0.21	1.20	11	1.2	16	6	15	9	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	46.2	.....	75	22†	13	1	3.74	.....	0.99	12	3.0	12	14	9	7	w.	Supt., State Forest
Spencer	Roane	789	45	52.4	−0.4	87	22	22	5	5.03	+1.64	1.53	12	2.5	19	4	15	11	.....	A. M. McKown
Summersville	Nicholas	1,900	8	48.3	.....	83	22	18	5	4.99	.....	1.78	12	3.0	16	7	11	12	.....	A. E. Dorsey
Sutton	Braxton	850	41	52.5	−0.3	89	22†	23	1	5.07	+1.22	0.90	11	3.0	15	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	40	48.6	−3.2	77	9†	18	5†	2.86	−0.03	0.85	12	1.0	12	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	12	52.8	.....	85	23	22	5	3.72	.....	1.09	12	3.0	9	15	6	9	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	52.4	+1.0	80	9†	22	5	2.71	−0.57	0.64	11	.....	11	9	15	6	w.	Ashford General Hospital
Williamson	Mingo	673	43	54.6	−0.9	87	22	27	5†	4.26	+0.58	1.78	12	0.5	10	12	6	12	se.	J. E. Dotson
Winfield Locks	Putnam	571	6	52.8	.....	88	22	27	3†	4.18	.....	2.02	12	0.7	14	6	11	13	sw.	Lockmaster
State averages and extremes	.....	.....	....	50.7	−1.0	90	22	11	5	4.43	+0.89	2.56	12	2.4	15	8	10	12	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for April 1944

Stations	Drainage Basiu	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac		1.53	.12	T.	.14	.14		.26	.10	.02		.68	.30			.30	.40		.13		.20			.04	.75		.40	.42				5.93
Brandywine	do		T.						T.			.60	.35		.14					T.												1.79
Brushy Run [2]	do		.22	T.					T.			T.	.85	.03			.06	T.		.16		.07		T.	.45		.27	.26				2.37
Harpers Ferry [2]	do		.39	.01		.04			.05				.38	.09			.39	.04		.14	.10	.01		.09	.19	.23		.06	.37				2.58
Inwood	do	•	.20		.10			.17				.35	.43		.15	.10	.35		.15					.25	.31	T.		.57	T.				3.13
Kearneysville	do		.39								.16	.31	.30			.39	.30			.18	T.		.02	.40	T.		.61						3.06
Knobly Mountain [2]†	do		.67				T.	T.	.10	.03	T.		.29	.15			.18	.09		.16		.05											3.50
Martinsburg [2]	do		.42	T.	.01	.01	T.		.06	.04	T.		.54	.08		.65	T.	T.		.18	T.	T.	.02	.02	.02	.37		.21	.38				3.01
McNeill †	do	.04	.23					T.	.10	T.		.38	.15			.16	.15			.12		T.			.74			.69					2.76
Petersburg	do	.26	.02		.01								.09			.19	.06	T.		.16					.73	T.		.59					2.11
Piedmont	do	.31	T.		T.	.30	.06		.09	T.	.17		.23	.10		.11	.20	T.		.19		.15			.17	.63		.99					3.70
Romney	do	.17	.22									.39	.15			.12	.27			.11					.60			.81					2.84
Spruce Knob [2]†	do		.34		.06	.14	.22		.21	.07	T.	T.	1.31	.06			.27	.24		.23		.25	T.		.29	.36		.28	.24				4.57
Stouy River Dam [2] †	do	T.	1.56		T.	.15	.22		.23		.24	.06	.76	.34			.40	.38		.27		.12	.02		.08	.80		.66	.28				6.57
Wardeusville [2]	do		.22			T.	T.		.03				.47	.12			.56	.02		.13		.02			.08	.39		.29	.43				2.76
Northern Division																																	
Aberdeen†	West Fork	.34	.56	T.	.03	.03	.02	.16	.38	.05	.07	.72	.40			.03	.26	.07	T.	.31		.16		.05	.69			.99					5.32
Belington [2]	Tygart	T.	.96	.10	T.	.10	.11		.40	.07	.03	.13	.90	.50			.28	.21	T.	.34		.35	.01		T.	.88		.45	.35				6.17
Beusou †	West Fork	.30	.28		.08	.12		.37		.03	.30	.55	.25			.04	.22	.05		.30		.20		.24	.55	.10		.90					4.88
Bens Run	Ohio	.34	.22			.02		.20	.33	.02	.19	.70	.29			.10	.09			.30	.02	.15	T.	.09	.06			.73					3.85
Big Skin Creek†	West Fork	.27	.64				.15	.30	.24	.08		.85	.59	.01			.45		.16		.35			T.	.77			.45		.30			5.61
Braudouville [2]	Cheat		.91		T.	.17	T.		.48	.12	.10	.22	.13				*	.68		.14	.16			.20		.45		.69	.14				4.59
Brownsville †	West Fork	.30	.61			.02		.38	.34	.12	.03	.75	.55			.02	.33	.10		.22		.31			.39	.03		.86					5.36
Buckhannon	Tygart	.30	.65	T.	.10	.10	.02	.24	.26		.06	.83	.85			.05	.35	.05	T.	.95		.40		T.	.61			.93					6.75
Cairo	Litl.Kanawha	.26	.24		.02		.03	.03	.70	.24	.10	.75	.96			.08	.13	.09		.33		.09			.26	.01		.71					5.03
Clarksburg [2]	West Fork	T.	.60	.05	T.	•	.10		.40	.08	.01	.19	.58	.22		T.	.10	.24		.33		.17	.10		.45	.42		.68	.22				4.94
Crawford	do	.27	.63	T.	.05	.04	.01	.23	.25		.07	.69	.57			.23	.20	.04		.15		.46			.58			.69					5.16
Creston [2]	Litl.Kanawha		.40	.09		.05	.05		.85	.13	.07		1.37	.30			T.	.03		.20		.12	T.		.30	.09		.50	.10				4.65
Dailey [2]†	Tygart	T.	.93	.04	T.	.09	.12	T.	.21	.06	.02	•	1.30	.42			.32	.18	T.	.27		.12	T.		.02	.52		.27	.34				5.23
Dam 10. Mon. R. [2]†	Monongahela		.65	.05		.01	.02		.40	.12	.07	T.	.68	.17	T.		.10	.22		.12		.08			.41	.22		.40	.47				4.19
Dam 13. O. R. [2]†	Ohio	.03	.40		T.	.05	.01		.78	.10	.08	.07	.48	.05			.13	.01				.08	.11	.29	.83	.15		.10	.20				3.95
Dam 15, Mon. R. [2]†	Monongahela		.70	.05		.02	.02		.38	.04	.08	.05	.70	.15			.15	.10	T.	.35		.06			.22	.32		.45	.43				4.27
Dam 19, O. R. [2]†	Ohio		.23	T.	T.	.02	T.		.83	.05	.02	T.	.80	.13		.04	.09	.05		.25		.06		.05	.10	T.		.46	.16				3.34
Dam 20, O. R. [2]†	do		.32	T.	T.	T.			.92	.10	.05	T.	1.24	.12		T.	.10	.05		.37	.39	.14		T.	.12			.47	.16				4.55
Elizabeth (Dam 3) [2]	Litl.Kanawha		.25			.27			.76	.36		.10	1.60				.10	.05		.37		.10			.20			.59	.15				4.90
Elk †	West Fork	.40	.52						.64	.10	.12	.63	.42				.26			.52		.30			.60			1.07					5.58
Elkins [1] †	Tygart	.95	.09	.01	.11	.11	.04	.07	.14	T.	.05	.77	.82			.24	.26	.07	.04	.20	.15	.02		T.	.69		T.	.58					5.41
Fairmont [2]	Monongahela		.79	.05	.02	.10	.03		.38	.11	.06	.04	.68	.11			.22	.09		.40		.08			.48	.14		.77	.15				4.70
Glenville [2]	Litl.Kanawha		.46	.09		.08	.07		.58	.11	.05	T.	.95	.32			.37	.11		.23		.17			.33	.21		.52	.27				4.92
Grafton	Tygart		.77		.03		.03		.34	.21		.46	.19	.03		.04		.40	.02	.34		.18			.39	.07		.81					4.31
Hackers Creek †	West Fork	.75	.91	T.	T.	T.		.09	.49		.11	.59	*				.43			.71				.33	.39			.93					5.73
Hall [2]	Tygart	T.	.85	.15	T.	.05	.10		.40	.03	T.	.07	.61	.35			.29	.14	T.	.37		.28	.02		T.	.56		.65	.22				5.14
Harrisou Co. Airport [2]	West Fork	.60	.09	T.	T.	.03	T.	.28	.14	.04	.01	.55	.25			.07	.19	.06	.21	.15	.18	.05		.23	.39		T.	.78					4.30
Hastings	Ohio	.38	.43		.05	.01	.01	.01	.55	.05	.07	.58	.30			.16	.10	.08		.30		.07		.02	.82			.88					4.87
Horner	West Fork	.45	.60	.25	.10			.10	.20	.30		.80	.40			.10	.18			.20		.40	.10	.05	.65			.75					5.63
Ireland	do	.10	.14	.06	.20	.35	.16	.02				.70	.74				.10	T.				.20	T.	.20	.30	T.		.90					5.23
Jane Lew	do	.27	.48			T.	T.	.30	.39		.20	.63	.43	T.	T.		.39	.20	T	.34	T.	.20	T.	.20	.30	T.		.90					9.20
Kumbrabow St. For. †	[2]Tygart	.09	.90		.15	.40	.40	.20	.64	.73	.02	1.05	1.45	.09		.17	.44	.24	.01	.26		.13		1.08	.02			.73					5.92
Mannington	Monongahela	.39	.39		.08	.02	.04	.15	.29	.34	.13	.87	.60	T.		.15	.39	.10	.01	.29		.08		.20	.47	.01		.92					4.25
Middlebourne	Middle Is. Creek		.67	T.		T.	T.		.44	.04	.09	.02	.62	.14			.20	.09		.38		.06		T.	.66	T.		.62	.22				6.10
Midvale [2]†	Tygart		.93	.26	T.	.09	.10		.32	.11		.11	.97	.55			.38	.23	T.	.24		.26	.07			.68		.89	.41				4.27
Morgantown	Monongahela	.26	.35		.05	T.		.05	.35	.19	.02	.64	.15			.08	.31		.01	.12		.10		.34	.30	.05		.90					4.93
Mt. Clare	West Fork	.38	.40		T.	.05	T.	.39	.49	.19	T.	.40	.43				.21		.06	.56		.26		.20	.25	.30		.36					3.89
New Cumberland	Ohio	.03	.04		.05	T.	T.	.03	.90	.05	.09	.37	.31			.06	.05	.03				.21	T.	.76	.36	.53		.02					3.85
New Martinsville	do	.20	.47		.03	.02		.12	.43	T.	.15	.57	.28			.15	.06		T.	.15		.05	T.	.28	.26			.63					5.14
Parkersburg [1]†	do	.33	.03		.03	.03		.51	.38	.01	.07	.78	.20		T.	.03	.08		.25	.05	.09	T.	.01	.09	T.		T.	.56					4.30
Parsons	Cheat	.50	.73		.10	.08	.10	.11	.39	.05	.16	.62	.72	.07		.20	.43	.24		.22	T.	.58	T.	T.	.74	.02		.70	T.				4.87
Philippi [2]	Tygart	T.	.87	.09	T.	.13	.07	.31		.11	.01	.14	.69	.23			.21	.20	T.	.31		.18	.04		T.	.43		.64	.39				5.05
Pickens	do	.11	.80	T.	.37	.52					.65	1.24	1.25	T.	.14		.58	.23	.02	.25	.14		.17	.05	.80		T.	.73					8.05
Roauoke	West Fork	.31	.60	.09		.02	.01	.24	.23	.08	.01	.80	.25			.12	.25	.05		.20		.22			.52	.03		.70					4.73
Rockford †	do	.35	.41	T.	T.	.03		.25	.32	T.	.21	.59	.39	T.			.23	T.	.08	.40			.24		.29			.97					4.76
Rowlesburg [2]	Cheat	T.	1.15	.08	T.	.20	.10	T.	.43	.20	T.		.73	.43			T.	.74	T.	.33		.08	T.	.28	.28	.72		.28	.48				6.51
Saint Marys [2]	Ohio		.48	.03		.03	.02		.59	.06	.24	.04	.78	.25		.04	.14		T	.49			.11			.01	.05	.66	.25				4.27
Salem	West Fork		.76	T.	T.	.06		.23	.27	.03	.30	.75	.32				.21	.01	.04									.92					4.40
Shinnston	do	.67	.15		T.	T.	T.			.64		.52	.52				.30					.25			.25			.75					4.99
Terra Alta †‡	Cheat																																
Thomas [2]	do		1.70			.20	.33	T.	.33		.06		1.00	.55			.65	.65		.15	.02	.35	.07			.85		.33	.45				7.69
Valley Chapel	West Fork	.28	.38	.02	.03	.03	.03	.24	.49	.05	.12	.63	.43	.01			.40	.12		.34		.19			.51			.90					5.20
Valley Head [2]	Tygart	T.	.43	T.		.17	.23	T.	.62	.04		T.	1.35	.33			.16	.26	.02	.11	T.	.05			.08	.51		.19	.28				4.83
Vandalia †	West Fork	.32	.49		.07	T.	.08	.18	.28			.72	.60				.31			.24		.27			.58			.71					4.85
Wellsburg (near)	Ohio	.12	.26		.10	T.	T.		1.40	.10	.08	.36	.30			T.	.26	.05				.29	T.	1.13	.51			.18					5.14
West Milford	West Fork	.35	.42			.05	.05	.20	.26	.05	.20	.55	.28			.05	.22	.20		.47		.25		.28	.50			1.03					5.41
Weston [2]	do		.74	.12	T.	.08	.09		.73	.08	.06	.04	.98	.34			.21	.14		.31	.02	.14			.08	.21		.39	.60				5.36
Wheeling (Dam 12) [2]	Ohio	.01	.36		T.	.13	.01		1.38	.06	.05	.06	.44	.12			.21	.01				.11	.10	1.38	1.01	.07	T.	.11	.17				5.79
Southern Division																																	
Arbovale [2]	Greenbrier		.05		.07	.05	T.	T.	.27	.01	.01	.66	.45			.16	.11			.18	.05				.62		T.	.47					3.16
Atheus	New		.01	.02	.03	.11			.19			.67	.60			.35	.10	T.	T.	.01	T.				.30			.13					2.52
Beckley	New		*		.15	.15	.27			.13			.72	.78			.25	*	.22	.02	.05					.41			.17					3.32
Bluefield	New			.15																													
Camden-on-Ganley [2]	Gauley		.15	.12		.19	.14		.48		.03		1.66	.22			.02	.22	.26	.03	.13		.10		.05		.26		.42	.04				4.52
Charlestou	Gr. Kanawha	T.	.08		.08	.02		.07	.82			1.45	.51	T.		.03	.02	.06	T.	.01	.03				.29			.04	T.				3.51
Charleston (Airport) [4]	do	.08	.03		.11	.03	T.	.44	.41	.01		1.65	.37			.24	.03	.02	.06	.02	.02			.06	.03		.02	.34					3.97
Clay [2]	Elk		.08	.14		.06	.08		.82	T.	T.		1.12	.21			.05	.45					.13		.21	.55		.45	.06				4.41
Flat Top [4]	New		.13		.13	.09	T.	.22	.40			1.00	.72				.57	.02	.02	T.	.01	.03			.44		.03	.16					3.99
Gary [2]	Big Sandy			.12	T.	.17	T.		.24	.09			1.41	.04			.39	.46							.16	.29		.03	.01				3.41
Greenbottom [2]†	Ohio	.03	.05		.01	.02	T.	.19	.71	.04		.15	T				.06	.28				.34			.01			.70					2.59
Hinton [2]	New					.20	.05		.48	.06		T.	1.56	.04			.25	.12					T.			.64		.01					3.41
Hogsett [2]	Ohio		.10		T.	.02			.85	.08	.01	T.	1.85	.14			.04	.41	.04		.23		.04		.05			.62	.18				4.66
Huntington	do	.03	.05		.04	.03		.12	1.02	.02		1.63	.86				.15	.14	.02		.22	.01		.03				.43					4.80
Kayford [2]	Gr. Kanawha		.13			.41	.15		.82				1.73	.22					.22				.10		.38	.55		.05	.12				4.88
Lewisburg	Greenbrier			.12	.05	.06	T.		.41			.68	.42				.43	.05			T.				.36			T.					2.58
Logan [2]	Guyandot			.08	T.	.24	T.		1.29	T.			1.80	.04			.10	.23	T.	T.	T.		T.			.10		.17	.02				4.35
London Locks [2]†	Gr. Kanawha			.08		.07	.08		.70	.01			1.67	.35			.03	.32	.05	.02	.05		.14		.22	.52		.40	.08				4.79
Madison [2]	Coal		.02			.21	.03		.92	.01	.02		1.77	.10			.06	.16	.03	T.	.04		.03		.58	.13		.30	.02				4.43
Oak Hill	New		.10		.25	.10			.64	.03			1.05	1.10			.08	.39	.05		.02		.12		.15	.38		.07					4.53
Pineville	Gr. Kanawha		.36		.03	.37	.05		.97	T.			1.85	.04			.24	.45		T.			.09			.76		.07	T.				5.28
Point Pleasant [2]	Ohio		.20		T.	T.	T.	T.	1.13	.05	T.	T.	1.49				.10	.23	.08		.29			T.		.03		.64					4.24
Princeton [2]	New				.19	.02	T.	.12					1.29	.08			.34	.18	.01	T.	T.													
Raiuelle	Greenbrier		.15	.05	.12	.38	.08	T.	.55			.80	1.01				.38	.09		.05	.10	.01			.70			.10	.04				4.61
Ravenswood [2]	Ohio		.41	.08		.03			.97	.20	.02	T.	1.32	.18		T.	.35	.02		.25		.09			.06			.58					4.56
Richwood [2]	Gauley					.66			.74				1.90	.30			.24	.21		.11						.35		.28					4.79

Continued on next page.

Daily Precipitation for April 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha	.10	.16		.05	.07	.02	.15	.48			1.20	.51				.18	.06		.23		.05		.18	.08			.47					3.99
Seneca State Forest†	Greenbrier		.07	T.	T.		.48		.33			.51	.99	.03		.12	.23			.40		.03			.53			.02					3.74
Spencer[2]	Litl.Kanawha	.05	.31	.06	.04	.05	.15	.05	.75	.06			1.53	.15		T.	.33	.04		.18		.05			.57	.09		.48	.09				5.03
Summersville[2]	Gauley				.10	.40	.20			.05			1.78	.10		.10	.30	.16		.10		.16		.25	.19	.42		.63	.05				4.99
Sutton	Elk	.05	.52		.08			.08	.38		.06	.90	.85			.06	.22	.10		.21		.25			.66			.65					5.07
Union[2]	New				.05	.05	.05		.30	.07			.85	.04		.50	.15								.45	.28		.07					2.86
Wayne[2]	Twelvepole				.02				1.40		.05	1.39	.76			.05	.20	.05		.15		.04			.23			.21					4.55
Webster Springs	Elk	T.	T.		.07	.19			.53		.17	1.03	1.09				.34								.11	T.		.19					3.72
White Sulp'r Spgs.	Greenbrier		.01	.12	.02	T.	.04		.36			.64	.38	.01		.53	.14								.46			T.					2.71
Williamson[2]	Big Sandy			.18		.16	T.		1.25	T.			1.76	.02		.16	.12					T.			.40	.07		.14					4.26
Winfield Locks[2†]	Gr. Kanawha		.11			.07	T.		.80		.03		1.69	.33		.01	.17	.05	T.	.25	T.	.05			.13	T.		.38	.11				4.18

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for April 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	48	44	35	30	26	47	59	59	73	61	59	55	52	60	66	50	48	51	61	71	69	62	70	64	51	67	46	55	65	73		55.9
	Minimum	25	33	20	17	17	18	21	36	42	43	40	40	25	27	31	44	32	29	31	28	28	33	36	44	44	44	24	21	21			31.3
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..		
Bluefield	Maximum	62	63	44	42	29	50	59	60	75	74	74	63	54	69	68	68	48	58	67	69	75	79	79	71	69	69	66	59	66	76		63.5
	Minimum	32	37	26	26	18	25	36	50	50	55	51	42	32	36	48	43	36	32	46	51	55	52	54	57	47	44	47	39	33	45		41.8
Brandywine	Maximum	62	60	50	41	35	52	62	72	80	75	68	54	60	64	72	67	56	60	65	72	78	71	62	60	68	75	60	62	75	79		63.9
	Minimum	18	35	19	24	18	25	24	40	42	41	42	39	26	38	40	45	38	30	40	34	45	40	38	36	46	40	37	27	22	26		33.8
Buckhannon	Maximum	52	44	53	39	33	52	60	65	78	74	68	60	65	68	72	67	55	58	64	75	73	82	84	78	65	68	66	55	62	74		63.6
	Minimum	24	24	29	27	21	27	26	30	41	54	53	36	26	29	31	47	35	35	43	36	48	40	59	50	45	48	43	31	28	32		36.6
Cairo	Maximum	48	55	47	46	39	56	58	68	73	77	72	64	60	66	72	75	55	58	64	74	76	84	85	85	74	72	69	61	71	78		66.1
	Minimum	23	37	21	25	25	26	29	46	49	51	50	40	25	30	44	50	38	40	44	35	49	40	55	59	51	40	49	29	28	30		38.6
Charleston (Airport)	Maximum	68	44	48	38	34	59	62	72	82	77	70	58	62	76	74	58	52	65	67	75	79	89	87	80	66	73	56	63	75	82		66.4
	Minimum	25	31	25	27	25	29	28	54	50	55	54	33	30	33	53	42	36	36	42	39	47	46	62	55	51	46	42	30	31	37		39.8
Clarksburg[3]	Maximum	54	44	42	36	32	54	55	66	78	67	66	57	58	64	72	57	54	53	65	75	74	81	85	73	58	70	53	60	69	56		60.9
	Minimum	22	30	26	26	23	24	29	30	48	49	51	55	26	27	32	51	37	37	39	36	37	41	42	54	52	47	48	37	30	32		37.3
Elkins	Maximum	52	49	36	30	28	49	59	64	75	64	62	56	54	67	69	53	48	56	61	71	70	81	78	70	56	66	53	54	69	73		59.1
	Minimum	25	28	22	23	20	28	32	45	48	51	50	34	28	31	51	39	33	35	42	34	48	40	56	52	48	53	42	31	27	32		37.6
Fairmont[3]	Maximum	51	43	47	39	34	59	63	68	82	76	62	57	61	65	77	55	58	58	71	77	78	81	88	75	57	73	55	66	78	85		64.6
	Minimum	27	39	26	26	23	25	33	45	53	58	55	55	27	34	42	52	39	38	42	42	50	43	53	60	51	48	48	32	31	35		41.1
Flat Top	Maximum	61	56	37	31	22	46	56	59	71	70	58	51	50	66	63	61	37	55	61	63	73	76	73	65	60	66	46	52	64	72		57.4
	Minimum	23	27	20	17	14	21	30	40	38	53	50	30	27	27	44	37	31	32	42	44	45	41	48	45	44	45	39	32	29	31		34.9
Gary[3]	Maximum	69	61	45	39	33	54	65	66	78	72	70	57	58	75	73	67	45	67	70	74	79	86	83	74	67	76	54	63	72	79		65.7
	Minimum	26	27	31	25	22	22	28	31	45	48	52	52	32	31	33	45	40	32	34	40	43	46	48	55	48	38	40	41	30	34		37.6
Glenville	Maximum	52	58	47	45	37	58	60	69	80	79	70	66	62	70	77	76	59	60	70	76	78	89	88	86	77	73	69	65	76	82		68.5
	Minimum	25	38	25	28	25	32	27	46	49	53	52	39	28	32	45	52	39	41	45	38	53	43	60	62	52	45	50	30	30	33		40.6
Grafton	Maximum	48	53	42	42	36	54	60	60	74	79	67	64	58	64	67	74	55	57	64	75	76	83	84	84	66	71	70	61	67	74		64.3
	Minimum	17	28	20	20	18	22	21	41	44	46	46	34	20	23	41	46	31	30	37	31	44	35	47	52	45	40	42	24	23	27		33.2
Huntington	Maximum	66	60	52	47	38	61	58	70	79	78	72	69	64	74	77	57	56	65	68	72	81	89	86	80	70	74	66	65	75	82		68.4
	Minimum	33	37	28	31	25	33	35	50	53	61	56	42	34	38	54	49	41	41	47	43	49	49	66	64	51	47	50	35	35	40		43.9
Lewisburg	Maximum	65	62	44	39	29	50	56	59	76	74	69	55	55	69	71	65	59	57	65	68	75	80	71	70	69	71	63	60	69	75		63.0
	Minimum	18	29	26	20	18	25	21	23	38	49	50	35	24	27	47	42	37	27	43	38	38	40	50	55	41	32	49	30	25	30		34.2
Logan[3]	Maximum	72	51	51	39	36	60	68	72	81	80	71	57	64	77	77	64	50	72	68	76	81	88	89	80	70	76	54	64	76	84		68.3
	Minimum	30	31	30	30	26	26	32	34	49	50	57	54	35	35	37	50	42	38	38	44	45	49	49	62	50	40	44	35	33	34		40.3
Madison[3]	Maximum	65	48	49	35	33	54	67	65	79	76	68	55	62	76	68	58	50	68	66	74	75	84	85	78	55	75	52	64	76	83		64.8
	Minimum	26	32	28	27	23	26	29	31	47	51	53	51	31	32	34	48	39	39	36	40	40	45	47	61	46	40	45	31	30	35		38.1
Mannington	Maximum	55	54	44	41	33	57	60	68	78	71	64	63	60	64	74	65	55	55	67	74	74	77	84	73	72	71	65	63	73	79		64.4
	Minimum	21	34	21	23	21	29	24	46	48	49	49	36	22	27	42	48	37	34	41	32	48	38	49	56	50	42	47	28	25	28		36.5
Martinsburg[3]	Maximum	51	48	44	43	36	48	64	70	76	75	68	66	60	67	57	64	59	53	58	68	74	55	52	55	62	73	51	61	68	78		60.1
	Minimum	26	36	28	28	27	28	33	40	42	48	45	44	36	31	43	43	44	36	39	36	42	48	45	44	45	45	48	37	30	30		38.2
Morgantown	Maximum	48	52	45	40	37	54	62	80	79	79	66	62	62	61	72	71	53	55	63	76	80	77	85	68	61	70	64	59	69	77		64.2
	Minimum	28	34	24	29	21	28	39	46	51	55	47	37	27	40	50	45	35	34	40	38	52	44	50	54	48	48	45	31	32	39		39.7
New Martinsville	Maximum	58	57	50	43	38	63	62	70	80	72	62	62	64	69	77	71	59	59	73	72	79	80	84	79	69	77	67	66	74	81		67.2
	Minimum	26	35	22	25	23	31	28	45	47	51	47	37	25	31	43	41	35	38	40	40	48	41	51	58	49	43	45	30	29	31		37.8
Parkersburg	Maximum	62	50	46	37	35	59	54	69	76	68	67	59	59	67	74	56	56	56	68	72	74	79	84	74	62	69	59	61	70	80		63.6
	Minimum	32	30	27	28	24	32	40	51	54	53	50	36	28	38	54	40	37	43	44	42	50	49	63	55	52	50	41	35	36	38		41.7
Pickens	Maximum	39	42	41	30	33	36	45	55	72	58	52	46	45	65	66	52	47	54	56	65	70	75	72	70	64	60	52	55	70	74		55.4
	Minimum	22	30	17	16	11	17	20	16	45	49	41	25	17	24	37	24	27	25	38	32	42	48	37	51	40	37	34	23	23	37		30.2
Point Pleasant	Maximum	58	56	49	46	38	60	60	68	74	73	73	65	60	71	70	63	63	61	70	69	75	86	85	73	73	65	65	61	72	79		66.0
	Minimum	33	36	29	34	25	31	35	47	52	58	54	43	30	38	50	49	40	47	46	42	51	50	65	60	51	50	50	37	27	39		43.3
Rainelle	Maximum	64	60	43	44	26	50	59	64	76	71	67	55	54	67	70	65	49	59	62	66	74	79	74	72	66	70	64	57	72	77		62.5
	Minimum	19	32	23	21	17	24	21	46	39	50	54	34	26	28	41	46	34	29	41	33	42	37	50	55	40	32	46	32	23	27		34.7
Romney	Maximum	50	53	45	45	37	52	64	62	76	76	70	61	60	66	65	61	56	53	67	74	77	77	56	50	60	75	73	61	71	81		62.5
	Minimum	24	40	27	27	25	29	35	46	47	50	44	43	34	30	46	46	42	36	39	37	50	49	49	45	49	46	47	30	28	30		39.0
Spencer[3]	Maximum	60	41	47	39	35	59	62	70	79	74	65	57	62	71	76	58	56	55	67	74	78	87	84	79	74	71	53	60	74	80		64.9
	Minimum	25	39	23	25	22	26	27	39	49	54	53	52	26	32	38	52	38	40	42	37	47	43	62	61	51	48	49	31	29	33		39.8
Sutton	Maximum	55	55	49	49	32	56	56	70	80	80	72	65	61	70	74	74	57	60	67	74	77	89	89	84	74	72	72	64	73	79		67.6
	Minimum	23	37	28	26	25	30	25	40	48	50	50	38	28	30	31	43	39	35	44	38	48	41	47	50	47	42	46	31	29	32		37.4
Wardensville[3]	Maximum	53	50	45	40	36	53	63	77	78	72	67	65	59	65	64	62	55	52	64	71	77	53	53	58	63	75	50	60	70	80		61.0
	Minimum	21	28	26	19	24	26	29	43	42	52	42	43	30	27	32	46	42	35	35	34	41	48	47	44	44	46	46	29	26	31		35.9
Weston	Maximum	55	45	42	45	32	59	65	68	80	72	73	58	60	70	74	60	56	52	64	69	75	88	88	77	68	75	65	62	70	80		64.9
	Minimum	38	40	29	27	25	24	29	55	52	62	53	54	29	31	50	54	35	45	45	38	52	42	59	63	53	50	50	33	30	34		42.7
Wheeling[3]	Maximum	55	60	45	35	37	58	60	64	80	63	64	55	57	65	70	53	53	58	69	74	69	72	67	72	61	69	61	61	71	79		61.9
	Minimum	31	36	25	28	24	25	34	37	48	50	46	49	29	32	40	48	36	36	37	35	37	43	45	55	49	44	45	32	31	33		38.0
Williamson[3]	Maximum	72	50	50	40	38	60	65	68	79	78	69	57	64	76	76	61	49	72	70	74	81	87	85	80	70	74	57	66	76	82		67.5
	Minimum	31	35	30	32	27	27	33	37	49	54	56	54	35	36	40	48	42	38	39	45	46	51	54	61	52	44	46	37	35	39		41.8

Daily Evaporation (inches) and Wind Movement (miles)

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	*	.009		.159	*	*	.167	.004	.039	.155	.098	.075	.095	.203	.109	.184	.061	.109	.039	.078	.088	.278	.171	.211	.182	.104	.191	.039	.166	.146		3.160
	Wind movement	160	44	51	75	130	146	110	40	64	86	101	79	129	112	28	109	150	90	53	20	17	105	51	60	138	80	88	45	49	20		2,430
Wardensville	Evaporation																.109	.159	.106	.101	.093	.177	.234	.049	.029	.038	.243	.210	.040	.188	.183		
	Wind movement																49	104	57	32	19	71	83	49	72	52	88	70	60	69	24		

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Columbus, Ohio, 5-31-44—925)

UNWE

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VOL. LII MAY 1944 No. 5

GENERAL SUMMARY

This has been the warmest May since 1896 and it was the second warmest May of record. All stations reported monthly mean temperatures above normal, with several in the Ohio Valley and also in Hardy County having plus departures of 7° or more. The only cold period was on the 7–8th.

Precipitation was slightly above normal on the average. However, the central part of the State and also the extreme northeast reported minus departures, while along the Ohio River and scatteringly elsewhere, excesses of an inch or more occurred. Local flooding occurred at Marshall, Jackson County, on the 17th, when Little Mill Creek was higher than it has ever been known to be in the past. No one was injured or drowned, but about $2,000 damage occurred to houses, porches and outbuildings. Also, on the 17th, an electrical storm, accompanied by heavy hail, did heavy damage to crops at Belleville, Wood County. Lightning struck the chimney of the power house at Lock No. 20 at Belleville in afternoon of 31st.

May was a much better month from the agriculturalist's viewpoint than April. Although frequent showers made ground preparation and seeding difficult, the abundant moisture and high soil temperatures made seeds sprout in much less than the usual length of time required. Corn, soybeans and practically all garden crops were seeded or transplanted during the month. Pastures and meadows made extremely good growth, while the fall-seeded grains began to head by the close.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 70 stations, was 67.2°, or 5.3° above the normal. The mean for the northeastern panhandle division was 66.9°; for the northern division, 67.5°; and for the southern division, 67.0°. The highest monthly mean was 72.2° at Huntington, and the lowest, 60.4° at Bayard and Pickens. The highest temperature was 95° at Valley Chapel on the 27th, and the lowest, 25° at Pickens and Seneca State Forest on the 8th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations was 4.35 inches, or 0.38 inch above normal. In the northeastern panhandle division the average was 4.23 inches; in the northern division, 4.40 inches; and in the southern division, 4.33 inches. The greatest monthly precipitation was 7.59 inches at Spruce Knob, and the least, 1.31 inches at Kearneysville. The greatest amount in any 24 consecutive hours was 2.82 inches at Spruce Knob on the 24–25th. The greatest monthly snowfall was 1.0 inch at Spruce Knob. The average number of days with .01 inch or more of precipitation was 11.

ERRATA

MARCH 1944.—Page 10: McNeill, mean temperature 41.2°, departure +0.2°; Summersville, number of days clear 9, partly cloudy 5, cloudy 17.
APRIL 1944.—Page 14: Brownsville, lowest temperature 21° on the 1st; Hamlin, mean temperature 53.2°; Oak Hill, highest temperature 84° on the 30th. Page 16: Parkersburg, maximum temperature 79° on 24th.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	..	..	10	4	3	14	..	3	14	2	5	6	14	5	2	4	13	2	6	3	2	3	9	10	9	1	5	2	2
Frosts, killing	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	1	1	1	..	2	..	..	..	..	..	4	..	..	2	1	..	2	3	1	..	1	1	..	..	..	..	..	..	1
Hail	..	..	1	1	..	..	..	..	..	..	..	..	2	..	..	..	2	2	..	3	3	..	..	1	..	3	..	..	..	..	..
Halos, lunar	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	13	4	2	..	..	..	2	..	1	20	8	..	25	13	11	8	35	25	10	9	25	12	13	12	6	..	..	10

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes–inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.42	11	29.73	21	6.0	24	sw.	21	87	55	63	75	58
Columbus, Ohio	30.44	11	29.73	21	8.7	33	sw.	3	81	58	65	66	49
Elkins	30.44	11	29.81	7	4.7	32	sw.	16	88	50	68	64	68
Huntington Airp't.	30.43	11	29.80	21	.....	22	w.	11	88	49	70	....	32
Parkersburg	30.42	11	29.76	22	5.7	32	nw.	13	78	50	61	64	36
Pittsburgh, Pa	30.42	11	29.74	22	8.6	36	sw.	13	75	45	54	73	38

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	.....	.....	2.38	3.11	3.60	3.18	.....	.....	.....	.....	.....
1892	62.2	96	32	3.62	6.67	4.83	5.04	.....	.....	.....	.....	.....
1893	59.5	92	30	4.90	4.35	4.84	4.51	.....	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	.....	13	16	9	6
1895	61.6	105	20	3.18	2.18	2.80	2.60	.....	9	12	11	8
1896	68.3	95	33	2.92	3.50	2.71	3.01	.....	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	.....	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	.....	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	.....	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	.....	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	.....	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	0.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	0.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	0.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	0.0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	0.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	0.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	0.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	55.5	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	0.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	0.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	55.5	93	23	8.74	7.12	6.72	7.20	0.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	0.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	0.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	0.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	0.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	0.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	0.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	0.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	0.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	0.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	19	1.67	1.22	1.50	1.38	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	0.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
1942	63.5	98	27	5.58	4.42	4.39	4.61	0.0	11	10	11	10
1943	63.5	96	17	3.71	5.04	4.41	4.59	T.	15	8	13	10
1944	67.2	95	25	4.23	4.40	4.33	4.35	T.	11	14	12	5
Period	61.9	105	17	3.70	4.14	3.86	3.97	T.	11	13	9	9

Climatological Data for May 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	60.4	+4.0	85	3	33	8	6.33	+2.03	1.73	28	0	12	26	2	3	sw.	Lewis T. Clark
Brandywine	Pendletou	1,586	28	65.8	+7.2	88	4†	29	8	6.65	+3.57	1.60	6	0	11	19	3	9	.....	E. L. Keister
Great Cacapon	Morgan	500	....	*68.3*	.....	93	28	.....	.....	2.68	.....	1.98	7	0	8	22	5	4	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	1.53	−1.91	0.76	7	0	6	....	....	....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	68.2	.....	94	31	38	8	2.46	.....	1.32	7	0	5	18	7	6	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	69.0	+5.6	92	31	40	8	1.31	−2.18	0.43	7	0	6	16	9	6	s.	University Exper. Station
Martinsburg	Berkeley	435	52	68.6	+5.8	92	30†	42	8	2.41	−0.98	1.78	7	0	9	6	14	11	se.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	68.0	+7.8	91	4†	34	8	3.36	+0.13	0.65	6	0	11	16	13	2	w.	R. E. Saville
Piedmont	Mineral	1,053	30	67.6	+7.6	90	27†	39	7	4.94	+1.29	1.98	6	0	11	12	14	5	se.	C. A. Suter, Jr.
Romney	Hampshire	824	45	.....	.....	.....	.....	.....	.....	....	.....	....	..	.	..	....	....	....	.....	Miss Anua Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	6.08	+1.48	1.30	7	0	13	5	10	16	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	26	67.4	+8.0	89	27	36	8	3.67	+0.71	1.51	7	0	9	....	....	....	sw.	Reymaun Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	4.96	+1.09	1.10	17	0	13	7	20	4	w.	L. Esle Bond
Benson	Harrison	1,080	19	67.4	+6.6	93	30	32	8	3.58	−0.35	0.90	6	0	12	11	18	2	.....	R. D. Marts
Bens Run	Pleasants	652	43	70.4	+7.4	91	24†	38	8	6.60	+2.60	2.01	21	0	11	....	....	....	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	63.6	.....	88	27	33	8	4.15	.....	1.04	7	0	10	....	....	....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	68.8	+7.2	92	27†	31	8	3.87	−0.36	0.70	6	0	12	13	14	4	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	64.4	+3.3	85	12†	33	8	3.61	−0.82	0.83	6	0	10	18	10	3	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	68.8	+5.7	91	27†	32	8	3.44	+0.02	1.12	17	0	11	8	20	3	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	66.4	+6.1	90	26†	31	8	2.85	+0.83	1.24	20	0	10	....	....	....	w.	Clarksburg Water Board
Creston	Wirt	640	43	70.6	+7.5	90	2†	35	8	2.79	−0.92	0.67	17	0	10	11	15	5	.....	J. L. Ledsome
Dam 10 Mou. R	Monongalia	826	22	.....	.....	.....	.....	.....	.....	3.02	+1.05	0.68	20	0	11	....	....	....	.....	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	4.68	+1.26	0.70	5†	0	11	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	3.75	+0.15	1.43	21	0	10	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	5.88	+2.46	1.02	27	0	9	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	5.43	+1.97	1.90	18	0	10	....	....	....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	3.33	−0.10	0.97	18	0	12	....	....	....	.....	Lockmaster
Elkius	Randolph	1,927	45	65.2	+6.0	85	30	35	8	6.59	+2.54	1.65	6	0	13	5	16	10	se.	U. S. Weather Bureau
Fairmout	Marion	883	52	70.0	+7.9	91	3†	35	8	3.08	−0.80	0.72	20	0	11	19	8	4	w.	J. C. Robinson
Glenville	Gilmer	738	56	70.7	+7.1	94	31	35	8	4.26	+0.14	0.79	18	0	11	17	10	4	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	65.2	+3.7	90	30†	28	8	3.25	−0.43	1.35	21	0	11	25	3	3	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	68.2	.....	91	31	35	8	3.17	.....	0.73	20	0	10	7	18	6	se.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	4.62	.....	1.48	20	0	9	12	16	3	.....	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	3.74	−0.86	0.82	17	0	10	12	11	8	.....	Mrs. U. I. Jenkins
Maunington, 1½ mi. NW.	Marion	974	42	67.2	+6.8	90	26†	32	8	4.29	+0.28	0.91	6	0	12	15	11	5	w.	James A. Morgan
Middlebourue, 2¾ mi. SE.	Tyler	750	3	67.9	.....	90	30	33	8	3.70	.....	0.82	25	0	9	14	11	6	sw.	L. A. Crumrine
Morgautown, 2 miles N	Monongalia	1,300	68	68.9	+6.8	89	26†	37	8	3.26	−0.44	0.92	6	0	10	....	....	....	.....	State Dairy Farm
New Cumberland	Hancock	671	49	67.2	+7.0	94	31	34	8	3.14	−0.26	0.83	6	0	14	6	14	11	nw.	C. O. Valentine
New Martinsville	Wetzel	637	51	69.7	+6.7	92	31	34	8	4.36	+0.69	2.45	20	0	9	20	8	3	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	71.0	+7.2	93	30	38	8	3.55	+0.17	0.73	16	0	12	8	19	4	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	66.0	+7.2	88	3	35	8	6.80	+2.67	1.94	27	0	13	....	....	....	nw.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	2.91	−1.36	0.53	20	0	13	....	....	....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	60.4	+2.3	87	4	25	8	5.40	+0.15	1.11	6	T.	12	18	9	4	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	4.50	+0.14	1.00	21	0	10	12	7	12	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	68.2	.....	91	30†	36	8	5.03	+0.40	1.35	21	0	9	10	2	19	w.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	2.43	−1.08	0.60	20	0	10	....	....	....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	....	.....	....	...	...	..	....	....	....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	5.84	+0.59	1.18	7	0	12	....	....	....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	70.0	+8.4	95	27	33	8	3.54	−0.35	0.77	17	0	13	17	11	3	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	67.2	+7.0	94	31	33	8	4.84	+1.64	1.10	21	0	10	22	6	3	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	4.52	+0.79	2.25	21	0	10	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	70.4	+7.7	94	30	35	8	3.59	−0.25	0.68	16	0	13	....	....	....	.....	J. Arthur Henry
Wheeliug (Dam 12)	Ohio	659	60	68.2	+6.4	92	31	38	8	4.71	.....	1.56	13	0	13	14	10	7	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	4.75	+1.34	1.20	6	0	14	15	14	2	sw.	H. S. Sutton
Athens	Mercer	2,600	4	65.0	.....	85	31	31	8	3.76	.....	1.39	21	T.	12	13	16	2	nw.	Concord College
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	.....	....	.....	....	....	....	..	....	....	....	.....	Post-Herald
Bluefield	Mercer	2,558	49	67.0	+5.4	85	24	33	7†	3.95	+0.83	1.27	25	0.5	9	21	8	2	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	*71.9*	+6.5	*92*	25†	38	8	*4.66*	+0.88	0.88	17	0	15	20	8	3	.....	Miss Jean Lucas
Charleston (Airport)	Kanawha	606	6	69.6	.....	92	30	35	8	3.93	.....	0.77	24	0	13	6	17	8	ue.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	5.30	−1.51	1.01	18	0	13	....	....	....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	57.9	.....	80	24†	26	8	5.84	.....	1.81	6	T.	15	11	16	4	w.	Department of Justice
Flat Top	Mercer	3,270	6	61.5	.....	81	31	29	8	4.69	.....	1.22	24	0	15	10	15	6	nw.	U. S. Airway Statiou
Gary	McDowell	1,426	27	67.5	+6.4	88	22†	34	7	1.96	−2.01	0.79	8	T.	10	24	5	2	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	70.0	.....	91	17	37	8	4.33	.....	0.75	14	0	10	11	12	8	sw.	State Forest Nursery
Hamlin	Lincoln	641	1	69.2	.....	92	31	35	7†	2.75	.....	0.67	6	0	10	11	17	3	w.	F. E. Brown
Hinton	Summers	1,431	55	69.3	+5.9	94	3†	35	8	5.40	+1.85	1.91	27	0	9	....	....	....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	72.2	+7.5	92	28†	40	8	5.79	+1.82	1.08	31	0	15	10	14	7	sw.	H. N. Robinsou
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	3.74	−0.66	0.94	6	0	11	....	....	....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	64.6	+4.5	87	31	28	8	3.55	+0.19	1.38	6	0	14	14	14	3	.....	James B. Stuart
Logan	Logan	700	31	71.2	+4.2	93	2	39	1†	6.70	+2.59	1.35	18	0	15	9	20	2	.....	Paul A. Simonds
London Locks	Kanawha	623	9	71.0	.....	92	30	39	8	5.72	.....	0.86	17	0	14	....	....	....	se.	Lockmaster
Madison	Boone	675	23	68.7	+4.9	91	31	34	8	4.57	+0.24	1.32	25	0	15	....	....	....	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	2	65.6	.....	92	31	31	8	4.39	.....	1.03	24	0	8	14	8	9	.....	M. H. Martin
Pineville	Wyoming	1,350	2	68.8	.....	92	2†	34	7	3.79	.....	0.76	6	0	9	....	....	....	.....	Charles Dameron
Point Pleasant	Mason	595	54	71.0	+6.3	92	27†	39	8	4.58	+0.59	1.28	18	0	8	19	1	11	s.	E. C. Winger
Ralnelle	Greenbrier	2,424	13	63.7	+5.6	86	31	29	8	4.90	+0.43	1.38	6	0	15	17	7	7	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	67.0	+5.1	88	30	34	8	5.29	+1.58	0.96	18	0	14	9	11	11	sw.	Lockmaster
Richwood	Nicholas	2,193	13	62.6	+2.4	85	31	*29*	8	4.83	+0.13	1.44	6	0	6	21	3	7	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	2	.....	.....	.....	.....	.....	.....	....	.....	....	....	....	..	....	....	....	.....	Sattis Simmons
Ryan	Roane	700	41	68.7	+5.7	92	31	32	8	3.63	−0.01	1.31	18	0	13	15	16	0	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	61.2	.....	85	31	25	8	6.32	.....	2.13	25	0	10	22	6	3	w.	Supt., State Forest
Spencer	Roane	789	45	68.4	+6.4	91	26	33	8	3.74	+0.09	1.77	18	0	10	9	17	5	.....	A. M. McKown
Summersville	Nicholas	1,900	8	64.1	.....	91	25	29	8	5.40	.....	1.50	25	0	13	9	16	6	.....	A. E. Dorsey
Sutton	Braxton	850	41	69.1	+5.8	91	2†	34	8	3.87	−0.49	1.06	25	0	11	....	....	....	.....	C. B. Eakle
Union	Monroc	2,200	40	64.4	+3.5	85	2†	29	8	3.33	+0.13	1.80	6	0	10	....	....	....	.....	C. B. King
Webster Springs	Webster	1,500	12	67.4	.....	89	4	34	8	2.74	.....	1.05	28	0	8	17	12	2	n.	Mrs. Vergic Kessler
White Sulphur Springs	Greenbrier	1,914	30	66.9	+6.4	89	23	31	8	3.14	−0.33	1.52	6	0	12	....	....	....	w.	Ashford General Hospital
Williamson	Mingo	673	43	71.0	+6.0	91	30	40	7†	6.36	+2.28	1.10	7	0	12	17	12	2	sw.	J. E. Dotson
Winfield Locks	Putnam	571	6	70.1	.....	93	30	40	1†	3.28	.....	1.25	24	0	11	13	13	5	sw.	Lockmaster
State averages and extremes		.....	....	**67.2**	**+5.3**	**95**	**27**	**25**	**8**	**4.35**	**+0.38**	**2.82**	**25**	**T.**	**11**	**14**	**12**	**5**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for May 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac					.28	.44	1.02	.11						.35			.43	T.		.68	.72	.45		.02	.10			1.73				6.33
Brandywine	do					1.60	.70								.28	.20	T.	T.	.12		.27	1.45		.11	.42	1.08			.42				6.65
Brushy Run [2]	do						.14	1.68	.33			.57			.21			.39			.38	.08	.04		.62	.32	T.		.17				4.93
Harpers Ferry [2]	do							.76	.04												.23	.40	.07		.03								1.53
Inwood	do						.83	1.32	T.											.10	.16	.05	T.										2.46
Kearneysville	do						.38	.43							.04					.18	.18			.10									1.31
Knobly Mountain [2]†	do						.12	1.84	.70						.15			.16			.38	.17	.38			.07			1.05				5.02
Martinsburg [2]	do							1.78	.18						.02			T.		T.	.11	.20	.08		.02	.01	T.	T.	.01				2.41
McNeill †	do						.65	.63							.19		.11			.32	.22	.64	.04		.43	.03		T.	.10				3.36
Petersburg	do					1.86	.42						T.		.12			.12			.36	.43	T.	.05	.76				.24				4.36
Piedmont	do					1.98	1.42	T.		.33	.01				.09			.11	.01		.54		.15	.01				.29	T.				4.94
Romney	do																																
Spruce Knob [2]†	do					T.	.36	1.30	.16			T.			.28			.25	T.		.75	.13	.22	T.	.26	2.82	.62	T.	.44				7.59
Stony River Dam [2] †	do					.11	.30	1.30	.62						.32			.26			.58	.66	.66	.04	.16	.23		.84					6.08
Wardensville [2]	do							1.51	.12						.07			.10			.06		.21		.22	.06			1.32				3.67
Northern Division																																	
Aberdeen†	West Fork					.14	.68	.44							.21			1.10	.12	T.	.84	.80	.14	.02	.08	.17		.22					4.96
Belington [2]	Tygart					T.	.73	.52	.37						.17			.81	T.	.07	.61	.62	.23	.06	.58	1.43		.38	.26				6.84
Beuson †	West Fork						.90	.34							.29			.45	.15	.05	.68	.17	.02	.05		.20		.28					3.58
Bens Run	Ohio				T.	.25	.53	T.						.60	.05		.07		.73	.40	1.19	2.01			.22							.55	6.60
Big Skiu Creek†	West Fork					T.	.48	.73							.08			.80	.36	.13	.52	1.03	.33	.20	.35	.40							.10	5.51
Brandonville [2]	Cheat					.26	.74	1.04	.07	T.					.32			.15	T.		.96	.14		.11		.36			T.				4.15
Brownsville †	West Fork					.08	.70	.35							.13			.46	.08	.05	.62	.65	.16		.22	.37							3.87
Buckhannon	Tygart						.83	.78							.40		.27	.20	.08	T.	.70		.18	.10		.07		T.					3.61
Cairo	Litl.Kanawha					.01	.75	.01							.18			1.12	.49	.46	.13				.01	.08						.20	3.44
Clarksburg [2]	West Fork					.03	.49	.19	.12						.33			.26	.09		.89	.35				.10							2.85
Crawford	do				.30		.62	.81							.15		.18	.27	.10	.04	.68	.78	.41	.20	.69	.05			.23			.09	5.60
Creston [2]	Litl.Kanawha			T.			.75	.06	.03						.30			.67	.30		.46	T.		.02	.05	.15							2.79
Dailey [2]†	Tygart					T.	1.31	.56	.18						.28			.17		.06	.61	.44	.16	.05	1.31	.99	.09	.02	.84				7.07
Dam 10, Mon. R. [2]†	Monongahela					.40	.55	.42	.40						.16			.16	.03		.68	.18	.01			.03							3.02
Dam 13, O. R. [2]†	Ohio					.30	.70	.26							.36			.23	.51		.43	.43	.20			.70		.56					4.68
Dam 15, Mon. R. [2]†	Monongahela					.04	.47	.27	.22						.50			.51	.05		.80	.63				.26							3.75
Dam 19, O. R. [2]†	Ohio		T.	T.		.16	.73	T.	T.						.29			1.00	1.01	T.	.20	.59				.88		1.02					5.88
Dam 20, O. R. [2]†	do					.28	.89	.03							.09			1.06	1.90	T.	.41	.05		.02	T.	.70							5.43
Elizabeth (Dam 3) [2]	Litl.Kanawha					.21	.52	.05	.13						.12			.38	.97	.10	.40	.20		.15		.10							3.33
Elk †	West Fork						.40	.75							.20		.15	.25	.10		.85	.63	.15		.39			.08					3.95
Elkins [1] ‡	Tygart				T.	.73	.98	.33						.22	T.		.57	.01	T.		1.10	.11	.07	.20	.94	T.	.47	.86					6.59
Fairmont [2]	Monongahela					.05	.48	.22	.18						.40			.34	.03		.72	.43	.05		T.	.18							3.08
Glenville [2]	Litl.Kauawha					.05	.74	.22							.38			.43	.31	.79	.62	.36		T.	.10	.26							4.26
Grafton	Tygart						.65	.34	.01						.44			.28	.02	.01	.60	.75		.08		.07							3.25
Hackers Creek †	West Fork					.03	.90	.24							.43		.43	.04			1.01	.24	.05	.15		.10						.05	3.67
Hall [2]	Tygart					T.	.51	.40	.37						.34			.85	.04	.60	.59	.16	.04	.02	.18	.12		1.08					5.30
Harrison Co. Airport [2]	West Fork				.40	.23	.39	.29						.22	T.		.31	.04	.07		.73		T.	T.	.49								3.17
Hastings	Ohio					.05	1.12	.01							.33			.33	.12		1.48	.50				.68							4.62
Horner	West Fork					.38	.72	.42							.33			.64	.05	.10	.50	.30	.35	.25	.40	.20							4.64
Irelaud	do						.65	.70						.16	.13		.10	.08	.25	.15	.21	.24	.30		.75	.50						.10	4.32
Jane Lew	do					T.	.67	.42						.34				.82	.11	T.	.52	.14	.22	T.	.23		T.	.27	T.				3.74
Kumbrabow St. For. †	[2]Tygart						1.26	.85						.05	.29			.14		.13	.67	.76	.40	.03	.20	.88	.03	.30	1.23				7.22
Mannington	Monongahela				.01	.07	.91	.14						.27	.17		.79		.07		.72	.68	.01			.45							4.29
Middlebourne	Middle Is.Creek					.17	.80	.23	T.						.51			.18	.11		.80	.08				.82		T.					3.70
Midvale [2]†	Tygart					.42	.52	.28	.49						.29			.81	.08	.61	.61	.41	.61	.29	.65	.36	.46	.18					7.07
Morgantown	Monongahela					.32	.92	.45						.18	.15		.18		.06		.80	.15				.05							3.26
Mt. Clare	West Fork					.64	.46								.15		.29	.05			.50	.88	.03		.09		.04					3.13
New Cumberland	Ohio				.03	.26	.83	T.			.03			.12	.33		.26	.11	.30		.12	.20		.27	T.		.10	.18					3.14
New Martinsville	do					.25	.98			T.				.18	.05		.33	.05	T.	T.	1.90	.55				.07							4.36
Parkersburg [1] ‡	do	T.	T.		.43	.66	.09	T.		T.				.41			.73	.37	.04	.04	.01	T.	T.	T.	.50		.07					.20	3.55
Parsons	Cheat						1.03	.53							.38			.34		.03	.68	.43	.82	.08	.12	.42		.46	1.48				6.80
Philippi [2]	Tygart					.01	.50	.29	.44						.09			.21	T.	.06	.53	.32	T.	.08	.07	.28		.03					2.91
Pickens	do						1.11	.70							.24		.30		.10	.47		.25	.42		.40	.60		.67	.14				5.40
Roanoke	West Fork					.09	.70								.15			.47			.77	1.00	.42	.15	.61	.14							4.50
Rockford †	do					.34	.60	.32							.20			.25	.20	T.	.77	.84	.04	T.	.13	.07		.04					3.80
Rowlesburg [2]	Cheat						.81	.71	.20						.40			.33			.50	1.35				.65	T.		.08				5.03
Saint Marys [2]	Ohio					.24	.47	.05							.17			.15	.18		.60	.03				.50		.04					2.43
Salem	West Fork						.84	.31							.26		.27	.05	.16		1.10	.77				.84						T.	4.60
Shinnston	do				T.	.30	.02	.55							.38		*.31*	*.04*	.04		.50		T.	.20	.30	.20							2.84
Terra Alta †‡	Cheat																																
Thomas [2]	do					.28	.60	1.18	.25						.29	T.		.28			.58	.51	.70		.08	.29			.80				5.84
Valley Chapel	West Fork					.26	.72	.33							.33			.77	.10	.05	.39	.05	.20	T.	.03	.30		.01			T.		3.54
Valley Head [2]	Tygart						1.63	.60	.33			T.			.19			.12	.05		.14	.48	.25	.02	.05	.48	.02	.14	.21				4.71
Vandalia †	West Fork				.54	.10	.82	.50							*		*	1.08	.09		.54	.85	.46	.13	.49	.13							5.81
Wellsburg (near)	Ohio				T.	.50	1.00				T.			.58	T.		.38	T.	.10		.33	1.10	T.	.13	.20		.52					.08	4.84
West Milford	West Fork					.05	.73	.37							.34			.30	.10		1.00	1.25				.20		.18					4.52
Weston [2]	do					.04	.56	.18	.32						.05			.68	.10		.38	.65		.08	.15	.20		.20					3.59
Wheeling (Dam 12) [2]	Ohio					.25	.80	.28			.02				1.56			.25	.39	T.	.32	.49	.01	.05		.17		.12	T.				4.71
Southern Division																																	
Arbovale [2]	Greenbrier					.05	1.20	.18				.05			.17			.10			.18	.24	.32	.09	T.	.97	.60	*	.60					4.75
Athens	New				.09		.84	.23						.05			.01	.05	T.	.01		1.39	.08		.48	.02		.51			T.		3.76
Beckley	New																																
Bluefield	New						.85	.05	.60									.17	T.				.10		.25	1.02	T.	.83	.08	.08			3.95
Camden-on-Gauley [2]	Gauley						.98	.26	.20						.01			.36	.21		.60	.28	.36			.32	.75	.05	.30				4.68
Charleston	Gr. Kanawha				T.	.30	.40	.36							.21	.28	.60	.52	.52	.02	*.10*	*.25*	*.20*	*.55*	*.20*	*.05*							*4.66*
Charleston (Airport) [4]	do				.08	.69	.19	.18						.07			.43	.47	.10	.03	T.	.17		.24	.55								3.93
Clay [2]	Elk					.22	.81	.56	.12						.14			.10	1.00	.01	T.	.86	.42		.22	.52		.32					5.30
Flat Top [4]	New				.02	.69	.33	.32						.15	.14		.30	.01	.02	T.	.19	.07		1.22	.82		.40	.01					4.69
Gary [2]	Big Sandy						.42	T.	.79						.75		.33	.11	.63		.26	.02	.01	.01		.01		.10	.18		.16		1.96
Greenbottom [2]†	Ohio				.28	.52	.38	.56										.26	.02	.01													4.33
Hinton [2]	New						1.39	.27	.01						.21			.51	.36	.07	T.	.10		.01	.33	.79							5.40
Hogsett [2]	Ohio					.15	.86	.40	T.						.21			.51	.36	.07	T.	.10		.01	.33	.79							3.79
Huntington	do				.04	.71	.40	.85							.20		.15	.14	.98	.38				.13	.33	.01	.04			.35		1.08	5.79
Kayford [2]	Gr. Kanawha					.20	.94	.80										.35	.11		.45	.23	.40		.02	.15	.09						3.74
Lewisburg	Greenbrier				T.		1.38	.28				.16			.10		.18	.03	.02	.26		.12				.51	.18	.29	.02			.02	3.55
Logan [2]	Guyandot					.14	.63	.80	.08						.01			.82	1.35	.01	.30	.53	.11	.09	.87	.73	.23	T.					6.70
London Locks [2] †	Gr. Kanawha					.16	.83	.53	.32	T.					.11		*	.35	.86		.44		.50		.17	.58	.77	.10					5.72
Madison [2]	Coal					.10	.89	.64	.02						.16			.37	.25	.01	.37	.03	.07	.27	.06	1.32	.01						4.57
Oak Hill	New						.92	.57							.33		.39	.38		.67		.10			1.03							4.39
Pineville	Gr. Kanawha					.07	.76	.73										.76	.43		.07		.07			.65		.25					3.79
Point Pleasant [2]	Ohio					.40	.81	.29							.68			.50	1.28		T.				.02	.60							4.58
Princeton [2]	New						1.22	T.							.10		.11	.06	.09	.14	.53	.21			.59	.33		.03			T.	3.41
Rainelle	Greenbrier						1.38	.94							.27		.35	.20	.07	.46		.03	.01	.01	.04	.72	.01	.11	.30				4.90
Ravenswood [2]	Ohio					.51	.72	.04	.02						.66			.43	.96		.65	.43		.07	.05	.30	.33	.12					5.29
Richwood [2]	Gauley						1.44	.90													.89					.74	.22	.64					4.83

Continued on next page.

Daily Precipitation for May 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha				.05	.14	.61	.17							.40		.05		1.31	.08	.05		.10	.05		.45						.17	3.63
Seneca State Forest†	Greenbrier						1.74	.45									.03	T.		.04		.99	T.	.36	.03	2.13	.26	.29					6.32
Spencer [2]	Litl.Kanawha						.70	.07							.29			.04	1.77		.22		.08		.10	.29	T.					.18	3.74
Summersville [2]	Gauley						1.00	.55	.04						.05			.17	.60		.25	.09	.38		.05	1.59	.21		.51				5.49
Sutton	Elk						.90	.20							.15		.15	T.	.28	.06	.12		.22		.63	1.06						.10	3.87
Union [2]	New						1.35	.45							.10			.12	.06		.27	.13	.25		.48		.12						3.32
Wayne [2]	Twelvepole						.69	.71							.25			.87	.85	.08	.27		.17		.13	.21					.32			4.55
Webster Springs	Elk						T.	.22									.16					.21	.10		T.	T.	.70	.09	.21	1.05				2.74
White Sulp'r Spgs	Greenbrier						1.26	.26				.03			.16			.25		.18		.04		.02	.04	.77		.08	.05					3.14
Williamson [2]	Big Sandy					.30	1.00	1.10	T.									.30	.65	.24	.10	.40	.54		.15	.60		.98						6.36
Winfield Locks [2]†	Gr. Kanawha					.07	.54	.11	.04						.30			.31	.54	.05	.07		T.		1.07	.18								3.28

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for May 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	79	80	85	83	81	53	47	70	78	78	81	77	80	73	78	80	75	72	75	78	81	78	77	84	80	81	83	78	79	81	84	77.1
	Miuimum	35	37	39	39	45	47	40	33	34	35	39	39	44	45	40	42	45	55	48	47	49	51	53	53	51	51	51	52	38	39	41	43.8
Beckley	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Bluefield	Maximum	78	81	81	81	75	69	53	73	76	78	82	81	79	79	82	83	80	81	77	81	84	79	84	85	78	81	80	81	82	81	83	79.0
	Miuimum	45	58	54	55	57	44	38	33	50	54	56	57	57	55	55	52	58	57	57	59	59	58	61	59	59	58	58	62	62	63	59	55.0
Brandywine	Maximum	81	85	85	88	84	72	60	70	80	84	85	86	87	84	86	82	78	80	82	85	88	86	84	87	85	84	85	84	82	84	88	82.6
	Minimum	38	47	50	49	45	53	41	29	40	45	44	48	47	50	42	54	52	54	55	56	55	56	53	58	53	54	58	56	44	48	49	49.1
Buckhannon	Maximum	79	82	82	83	83	65	51	70	75	78	81	85	82	79	80	82	78	74	75	80	82	80	79	82	85	84	84	82	82	84	84	79.1
	Minimum	41	51	50	52	51	45	39	33	42	42	43	50	50	47	47	48	51	51	55	56	55	50	56	58	54	57	58	60	47	51	47	49.6
Cairo	Maximum	80	87	87	86	85	69	60	70	78	83	87	87	88	88	87	87	88	81	81	87	88	88	84	89	90	90	91	87	86	89	91	84.6
	Minimum	43	54	49	51	56	48	45	32	46	50	49	50	51	58	49	50	58	58	53	59	59	60	60	63	57	58	58	62	48	53	58	53.1
Charleston (Airport)	Maximum	84	90	87	86	78	62	62	78	78	85	90	88	87	83	88	88	86	83	82	90	89	84	86	89	91	91	89	88	88	92	90	84.9
	Minimum	46	54	50	53	49	46	37	35	49	49	50	51	56	57	54	51	60	60	60	59	58	61	62	61	59	60	61	60	54	58	61	54.2
Clarksburg [3]	Maximum	79	85	85	86	81	52	57	72	77	81	85	83	85	79	85	85	80	75	82	85	84	81	83	89	87	90	85	83	86	90	89	81.5
	Miuimum	38	42	49	49	52	49	44	37	41	46	50	51	51	52	49	50	53	60	52	53	57	59	60	62	59	58	60	61	49	50	54	51.3
Elkins	Maximum	81	84	84	81	81	54	52	74	80	78	82	80	81	75	80	82	76	71	77	80	81	78	80	85	83	84	83	79	82	85	84	78.6
	Minimum	41	57	51	56	51	46	37	35	45	49	48	50	49	52	47	48	57	57	57	57	56	61	58	60	57	61	59	52	46	52	53	51.8
Fairmont [3]	Maximum	85	90	91	90	85	52	58	77	82	85	88	87	89	81	89	87	82	79	85	87	86	86	86	89	89	90	89	85	88	91	91	84.5
	Minimum	45	57	55	56	57	51	43	35	47	53	52	51	55	59	50	55	60	60	54	60	59	65	64	64	61	60	61	63	52	55	59	55.4
Flat Top	Maximum	75	76	77	78	69	51	50	69	72	75	78	75	75	73	75	78	74	73	73	78	78	73	80	79	72	75	76	76	76	77	81	73.8
	Minimum	47	49	44	54	50	39	30	29	42	44	43	47	50	52	48	48	56	52	47	52	52	56	55	57	56	53	53	57	57	54	49	49.1
Gary [3]	Maximum	82	87	86	85	76	62	60	77	82	81	85	86	82	85	85	86	83	82	79	88	88	85	87	87	81	85	86	86	88	88	88	82.8
	Minimum	40	46	47	51	53	48	34	35	44	48	50	52	53	55	54	48	53	58	55	55	57	59	57	59	59	58	59	60	62	55	54	52.2
Glenville	Maximum	87	91	90	89	84	65	64	78	81	85	89	88	86	89	88	89	86	86	84	90	89	90	87	92	90	93	93	90	91	91	94	86.7
	Minimum	45	58	52	53	57	49	45	35	45	50	51	52	50	54	53	51	59	58	60	60	59	62	62	63	60	60	62	64	52	56	59	54.7
Grafton	Maximum	80	82	85	87	87	84	51	71	74	80	84	85	84	83	84	85	86	72	81	83	85	85	80	83	90	87	86	87	89	90	90	82.6
	Minimum	36	50	43	47	49	42	37	28	38	45	44	45	46	55	43	45	52	52	50	54	52	56	55	56	55	54	54	55	43	54	50	47.9
Huntington	Maximum	85	89	88	84	69	67	64	76	79	86	89	90	90	85	90	89	88	83	79	89	90	85	85	86	91	91	91	92	89	92	92	85.3
	Minimum	50	59	54	63	59	49	44	40	54	55	55	56	59	60	60	58	63	64	62	63	61	69	66	65	62	64	64	65	60	61	66	59.0
Lewisburg	Maximum	80	83	82	83	77	68	54	72	77	80	84	86	81	79	83	84	80	80	76	84	82	79	85	85	83	83	83	84	82	83	87	80.3
	Minimum	44	41	43	45	46	47	39	28	40	47	47	49	48	50	47	43	54	55	52	52	54	55	52	56	57	58	57	60	53	49	49	48.9
Logan [3]	Maximum	88	93	*90	89	79	66	65	81	83	85	89	90	87	87	91	89	85	83	77	90	91	86	90	87	90	88	90	90	92	91	89	86.1
	Minimum	39	51	53	55	57	50	43	39	40	51	53	54	55	60	59	53	55	63	62	61	62	63	62	63	62	62	64	66	65	59	62	56.2
Madison [3]	Maximum	84	86	87	88	77	64	62	76	81	84	87	87	85	82	87	85	85	85	73	88	88	84	84	87	84	87	86	87	88	90	91	83.5
	Minimum	40	49	49	53	55	47	41	34	37	49	51	51	54	57	57	51	56	64	61	58	58	66	61	61	60	58	57	63	60	57	57	53.9
Mannington	Maximum	80	87	87	86	82	66	59	73	78	81	85	85	85	79	87	84	81	78	83	86	85	85	85	89	87	90	87	86	88	89	88	82.9
	Minimum	42	53	46	50	56	49	40	32	42	49	48	48	48	57	46	50	57	57	48	60	57	61	59	60	58	56	59	61	46	50	54	51.6
Martinsburg [3]	Maximum	76	84	86	82	78	74	68	76	80	81	85	90	83	88	90	85	78	72	72	77	88	85	76	70	80	88	87	85	90	92	92	81.9
	Miuimum	47	50	52	52	56	62	52	42	45	50	53	55	58	61	51	59	61	59	46	47	59	63	63	62	62	64	61	61	51	53	54	55.2
Morgantown	Maximum	79	83	83	84	82	67	51	70	77	81	85	81	84	76	82	82	77	77	80	84	82	83	85	88	87	89	87	88	88	89	88	81.3
	Minimum	48	58	62	62	56	46	41	37	54	53	52	53	57	56	51	58	59	59	51	56	59	66	62	67	62	62	59	59	60	73	52	56.5
New Martinsville	Maximum	83	88	88	84	80	77	60	71	80	85	87	87	88	80	89	87	82	80	85	87	86	85	85	90	90	91	90	87	88	90	92	84.6
	Minimum	41	55	50	55	58	48	43	34	47	54	53	54	53	57	51	53	60	61	52	59	60	65	63	64	59	61	61	64	52	55	58	54.8
Parkersburg	Maximum	82	87	86	81	74	58	60	73	78	81	87	86	89	81	89	89	86	78	82	89	87	85	84	88	88	91	87	83	86	93	88	83.1
	Minimum	50	62	64	61	50	49	45	38	57	60	56	57	58	58	55	57	62	64	53	64	63	70	70	64	63	65	63	63	57	63	66	58.9
Pickens	Maximum	75	71	77	87	64	56	50	77	79	75	78	74	82	72	80	79	77	74	82	79	77	78	80	85	82	80	77	76	81	82	82	76.4
	Minimum	39	37	44	36	37	40	29	25	37	41	43	45	46	37	43	45	49	47	47	44	46	55	56	58	57	53	53	49	40	52	49	44.5
Point Pleasant	Maximum	85	85	85	84	65	61	61	75	77	81	85	88	88	84	85	85	85	85	76	82	90	88	85	84	89	91	92	86	86	92	92	83.1
	Minimum	52	60	54	65	61	47	45	39	54	56	56	56	57	59	56	58	62	64	58	64	61	69	67	64	63	64	64	64	58	61	66	58.8
Rainelle	Maximum	81	83	86	80	77	68	55	72	77	80	82	84	81	79	82	83	80	80	78	83	82	82	84	85	78	82	82	83	81	84	86	80.0
	Minimum	40	40	43	44	46	44	36	29	39	44	42	43	44	51	47	40	53	52	52	51	53	55	53	55	57	55	57	56	55	45	47	47.4
Romney	Maximum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
	Minimum	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	....
Spencer [3]	Maximum	85	84	87	85	77	59	62	72	77	85	88	88	80	81	88	81	87	79	81	88	87	85	84	88	88	91	88	88	89	87	87	83.1
	Minimum	46	47	59	53	57	47	44	33	42	50	49	51	55	52	51	51	55	59	60	59	57	60	63	62	58	59	59	62	50	56	59	53.7
Sutton	Maximum	85	91	91	90	90	87	64	78	78	84	87	87	87	87	87	87	88	88	87	88	88	89	89	87	91	91	90	91	91	90	91	87.2
	Minimum	44	51	48	50	51	47	44	34	41	48	49	50	51	48	51	47	51	52	53	51	54	55	55	60	57	58	59	60	53	52	55	51.0
Wardensville [3]	Maximum	83	83	84	87	83	79	65	69	80	81	84	87	87	87	87	88	83	79	76	82	83	86	84	81	78	85	89	84	83	85	87	82.5
	Minimum	41	51	48	51	49	59	44	36	42	49	48	51	54	49	46	50	56	68	52	52	49	66	56	62	62	65	59	59	47	49	52	52.3
Weston	Maximum	84	85	89	88	85	59	60	78	79	80	88	89	88	82	89	86	88	80	85	90	89	89	88	90	90	93	90	89	90	94	92	85.4
	Minimum	54	45	60	58	59	50	46	35	48	48	58	55	58	50	55	50	59	58	55	61	60	64	63	61	60	60	61	62	50	55	58	55.4
Wheeling [3]	Maximum	80	85	85	79	79	58	58	71	79	81	84	87	85	79	85	83	79	76	79	84	83	84	83	89	87	87	89	83	88	89	92	81.6
	Minimum	35	49	54	57	61	50	44	38	41	56	52	52	54	53	53	54	59	63	51	54	59	62	63	65	62	63	62	62	53	54	61	54.7
Williamson [3]	Maximum	85	90	87	85	71	65	63	79	79	84	87	87	86	87	89	87	87	85	78	89	90	85	88	86	89	90	89	89	89	91	89	84.7
	Minimum	47	52	53	56	58	49	40	40	42	54	54	56	56	58	60	55	57	62	63	62	62	63	64	64	62	63	64	65	66	62	64	57.2

Daily Evaporation (inches) and Wind Movement (miles) for May 1944

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.185	.153	.152	.246	.176	.167	.060	.027	.107	.135	.145	.140	.099	.232	.183	.223	.164	.057	.693	.326	.088	.208	.138	.199	.165	.220	.215	.225	.134	.210	.215	5.087
	Wind movement	31	20	12	30	46	61	33	43	15	22	14	21	3	79	29	47	33	23	15	39	16	32	64	31	18	13	18	29	31	30	15	913
Wardensville	Evaporation	.235	.206	.221	.342	.288	.353	*	.181	.163	.207	.191	.202	.174	.201	.152	.268	.192	.170	.219	.117	.057	.044	.215	.123	.118	.150	.193	.518	.253	.247	.260	6.350
	Wind movement	35	32	39	75	65	108	57	50	24	36	28	19	18	19	58	36	36	28	56	32	28	39	35	19	45	55	25	24	35	23	22	1,201

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Columbus, Ohio, 6-30-44—925)

INWE

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CLIMATOLOGICAL DATA

C. L. WILSON
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VOL. LII JUNE 1944 No. 6

GENERAL SUMMARY

The most noteworthy feature of the month was the occurrence of a series of tornadoes over the northern border counties on the evening of the 23d, causing the deaths of more than one hundred and injuries to about one thousand persons and very heavy property damage. A complete report of the West Virginia and the Pennsylvania tornadoes is being prepared by the Pittsburgh Weather Bureau Office.

During the month, the temperature averaged 71.9° or 2.0° above normal. Maximum temperatures of 100° or higher were reached in several places. On the 8th of the month, minimum temperatures dropped to the thirties and low forties in all sections of the State. The lowest temperature, 28° reached at Bayard and Brandonville on the 8th, was the lowest temperature recorded in June since 1938 and was within one degree of the all-time record low for June of 27° reached in 1930. However, no damage was reported.

The average precipitation for the State was 4.19 inches, or 0.27 inch below the normal. Precipitation averaged 77% of the normal in the northeastern panhandle division, 121% in the northern division, and 94% in the southern division. The rainfall was well distributed throughout the month in most places. However, there were several extremely heavy showers. On the 4th, 2.42 inches fell at Glenville in the space of 40 minutes, causing washouts of gardens, damaging sewers and flooding basements. There was a damaging hailstorm between Belington and Philippi on the 19th. On the 22d, crops in the Hamlin section were severely damaged by a hailstorm. On the 23d, Salem, in Harrison County, was hit by a flash flood. It was reported that there were six feet of water in its streets at the height of the flood. Much damage to crops and to business places was reported. On the 31st, a woman was killed by lightning in her home at Maysel, Clay County.

Crop growth was good in most places throughout the month. However, about the middle of the month it began to turn dry in the northeastern panhandle and in some of the southern counties and the dry trend continued in those localities while the northwestern and north-central part of the State received ample rainfall for satisfactory crop growth.

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 71.9° or 2.0° above the normal. The mean for the northeastern panhaudle division was 71.1°; for the northern division, 71.7°; aud for the southern division, 72.4°. The highest monthly mean was 77.9° at Huntington, and the lowest, 63.0° at Kumbrabow State Forest. The highest temperature was 103° at Hinton on the 18th, and the lowest, 28° at Bayard and Brandonville on the 8th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 122 stations, was 4.19 inches, or 0.27 inch below normal. In the northeastern panhaudle division the average was 2.91 inches; in the northern division, 5.61 inches; and in the southern division 2.90 inches. The greatest monthly precipitation was 9.45 inches at Pickens, and the least, 0.98 inch at Ryan. The greatest amount in any 24 consecutive hours was 2.58 inches at Pickens No. 2, on the 22-23d. The average number of days with .01 inch or more of precipitation was 11.

ERRATA

May, 1944.—Page 18: Cranberry Glades mean temperature 57.8; Fairmont mean temperature 69.9, departure +7.8; Flat Top mean temperature 61.4; Raveuswood mean temperature 67.9, departure +6.0; Union mean temperature 64.8, departure +3.9; White Sulphur Springs mean temperature 67.0, departure +6.5; Creston greatest 24-hour precipitation .75 on 6th; Grafton date of maximum temperature 25th. Page 20: Fairmont mean maximum temperature 84.4.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	5	2	7	5	..	..	7	..	..	..	17	6	..	1	12	4	6	4	..	5	1	8	1	3	9	2	2	6	1	..
Frosts, killing	..	..	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	..	..	1	..	1	..	..	1	..	..	..	..	..	..	3	..	2	8	1	1	4	12	12	3	..	..	..	1	1	..
Hail	1	..	..	2	1	..	..	..	1	..	..	..	..	..	..	3	..	3	9	2	1	4	6	2	1	..	..	..	3	1	..
Halos, lunar	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	29	14	12	13	8	9	2	2	9	18	3	..	14	16	12	23	8	18	36	4	..	23	33	12	1	1	..	1	13	5	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.21	30	29.65	23	6.2	20	nw.	19	80	49	55	83	....
Columbus, Ohio	30.20	30	29.57	23	8.9	33	sw.	23	81	54	59	73	10
Elkins	30.27	28	29.56	23	5.1	24	s.	23	90	61	70	53	41
Huntington Airp't.	30.20	28	29.67	23	.....	24	w.	29	85	53	72	....	....
Parkersburg	30.26	29	29.60	23	6.1	27	w.	16	83	52	62	67	18
Pittsburgh, Pa	30.22	9	29.46	23	9.7	42	nw.	19	81	53	58	67	15

COMPARATIVE DATA FOR JUNE

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	71.2	.....	.....	3.40	5.40	4.97	5.02	0	.....	.....	.....	.....
1892	74.1	99	41	4.30	3.85	3.77	3.90	0	.....	.....	.....	.....
1893	70.2	99	40	2.06	3.51	4.87	3.81	0	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	0	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	0	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	0	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	0	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	0	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	0	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	0	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	0	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	0	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	0	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	0	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	0	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	0	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	0	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	0	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	0	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	0	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	0	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	0	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	0	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	0	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	0	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	0	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	0	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	0	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	0	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	0	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	0	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.31	4.66	0	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	0	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	0	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	0	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	0	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	0	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	0	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	0	8	16	9	5
1930	68.9	105	**27**	3.40	3.39	1.77	2.87	0	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	0	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	0	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	0	7	18	9	3
1934	74.3	106	41	2.94	3.88	3.07	3.45	0	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	0	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	0	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	0	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	0	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	0	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	0	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	0	14	11	10	9
1942	71.4	99	35	4.16	5.38	5.32	5.17	0	14	9	13	8
1943	**75.0**	102	42	2.69	3.36	4.42	3.64	0	10	15	11	4
1944	71.9	103	28	2.91	5.61	2.90	4.19	0	11	13	11	6
Period	69.9	109	27	3.91	4.62	4.41	4.46	0	11	13	10	7

Climatological Data for June 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	65.0	+1.5	89	27	28	8	5.34	+0.21	0.84	20	0	14	18	4	8	w.	Lewis T. Clark
Brandywine	Pendleton	1,586	28	68.8	+1.8	93	18†	35	8	2.86	−1.02	1.24	23	0	7	22	2	6	sw.	E. L. Keister
Great Cacapon	Morgan	500	....	74.3	.....	99	18†	46	9	2.12	.....	0.75	14	0	11	15	6	9	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	1.52	−2.13	0.72	2	0	9	...	...	...	.....	Miss Eleanor White
Inwood	Berkeley	569	11	73.8	.....	100	18†	38	8	2.75	.....	1.46	2	0	7	16	6	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	73.6	+1.7	100	29	39	8	1.01	−2.62	0.38	1	0	6	11	13	6	s.	University Exper. Station
Martinsburg	Berkeley	435	52	72.6	+1.6	98	29	40	8	1.85	−2.29	0.95	1	0	12	3	21	6	sw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	71.6	+3.8	99	29	32	8	3.28	−0.32	1.17	24	0	10	12	13	5	w.	R. E. Saville
Piedmont	Mineral	1,053	30	70.9	+2.8	94	29	37	8	3.66	−0.34	1.68	23	0	9	11	14	5	e.	C. A. Suter, Jr.
Romney	Hampshire	824	45	72.6	+2.7	98	18	37	8	2.49	−0.83	0.95	24	0	7	16	6	8	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	5.47	+1.45	1.54	15	0	14	3	7	20	w	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	26	70.2	+4.7	95	18†	37	8	2.76	−0.24	0.77	2	0	10	....	....	....	nw	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	5.90	+1.54	1.39	23	0	12	9	15	6	.....	L. Esle Bond
Benson	Harrison	1,080	19	73.2	+5.0	98	1	37	8	6.12	+1.81	1.75	23	0	10	10	16	4	.....	R. D. Marts
Bens Run	Pleasants	652	43	75.2	+4.4	98	18	45	8	3.76	−0.46	1.41	23	0	9	24	6	0	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	67.2	.....	90	13†	28	8	6.89	.....	1.30	10	0	16	...	...	...	.....	James I. Galloway
Brownsville	Lewis	1,032	20	74.0	+4.5	98	29	45	21	6.01	−1.70	1.46	10	0	10	10	14	6	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	68.9	+0.5	89	28	35	8	4.82	+0.11	1.20	23	0	10	18	10	2	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	73.6	+3.3	97	18†	40	8	5.82	+1.31	1.80	22	0	13	9	19	2	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	70.7	+1.3	94	13†	38	8	5.15	+0.88	1.70	23	0	12	19	5	6	se.	Clarksburg Water Board
Creston	Wirt	640	43	74.0	+3.3	97	18†	41	8	4.16	+0.22	1.37	4	0	15	7	21	2	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	71.5	....	94	13†	38	8	5.41	+1.07	1.23	10	0	14	12	9	9	sw.	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	3.95	+0.12	1.03	23	0	15	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	5.02	+1.03	0.96	23	0	13	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	3.40	+0.52	0.96	30	0	12	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.56	+1.43	0.58	14	0	12	....	....	....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	4.05	−0.16	1.35	30	0	9	....	....	....	.....	Lockmaster
Elkins	Randolph	1,927	45	68.2	+1.3	89	18	37	8	7.76	+2.70	1.44	4	0	16	4	13	13	w.	U. S. Weather Bureau
Fairmont	Marion	883	52	73.2	+2.9	95	18†	41	8	3.94	+0.47	0.84	23	0	14	17	11	2	w.	J. C. Robinson
Glenville	Gilmer	738	56	75.8	+4.7	99	18†	44	8	7.13	+2.74	2.40	4	0	13	16	11	3	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	69.4	+0.3	93	14†	32	8	6.25	+2.12	1.23	14	0	13	16	6	8	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	70.9	.. ...	93	36	36	8	5.02	.....	1.28	23	0	15	7	14	9	se.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	5.50	.....	1.40	17	0	12	10	18	2	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	7.04	+2.97	1.81	23	0	10	10	13	7	.....	Mrs. U. I. Jenkins
Mannington, 1¼ mi. NW	Marion	974	42	71.9	+4.1	94	18	38	8	4.89	+0.68	1.22	16	0	14	15	11	4	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	3	72.6	.....	95	13†	40	8	5.92	.....	2.03	23	0	11	17	9	4	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	68	72.0	+8.1	92	18†	40	8	4.74	+0.50	1.20	29	0	16	11	9	10	w.	State Dairy Farm
New Cumberland	Hancock	671	49	72.3	+4.1	98	18†	39	8	3.27	−1.28	0.82	4	0	12	8	8	14	se.	C. O. Valentine
New Martinsville	Wetzel	637	51	74.8	+3.7	97	18	43	8	5.97	+1.86	1.20	23	0	12	20	10	0	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	74.3	+2.9	98	18†	44	8	3.44	−0.56	1.20	23	0	11	14	15	1	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	69.6	+2.7	92	13	38	8	7.98	+2.99	1.67	23	0	20	....	....	....	w.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	4.72	+0.03	0.76	23	0	16	....	....	....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	64.4	−0.5	90	28†	30	8	9.45	+3.65	2.02	24	0	14	14	10	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	3.46	−0.85	1.00	22	0	8	13	5	12	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	72.4	.....	96	13	39	8	5.94	+0.57	1.31	19	0	12	2	0	28	w	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	5.51	+1.34	1.50	23	0	10	....	....	....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	7.99	+2.88	1.55	24	0	12	....	....	....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	75.0	+5.4	99	29†	39	8	4.45	+0.70	1.12	14	0	12	14	13	3	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	72.1	+4.1	97	28	38	8	4.49	+0.35	1.03	4	0	11	15	13	2	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	7.94	+3.67	2.02	18	0	10	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	74.8	+4.4	99	18	40	8	4.68	+0.34	1.05	23	0	15	....	....	....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	73.0	+2.4	96	18	45	8	3.29	−0.60	0.61	23	0	14	16	8	6	sw	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	4.50	+0.07	0.93	24	0	16	.11	14	5	n.	H. S. Sutton
Athens	Mercer	2,600	4	69.4	.....	92	18	40	8	3.38	.....	1.74	23	0	8	14	15	1	w.	Concord College
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Post-Herald
Bluefield	Mercer	2,558	49	71.5	+1.4	92	18	42	8	3.16	+1.07	1.00	23	0	12	20	8	2	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Jean Lucas
Charleston (Airport)	Kanawha	606	6	73.6		98	18†	42	8	2.18	.....	1.05	1	0	9	10	14	6	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	2.05	−1.46	0.68	11	0	8	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	62.4	.....	85	18	29	8	3.29	.....	0.79	23	0	18	12	12	6	w.	Department of Justice
Flat Top	Mercer	3,270	6	66.0	.....	87	18	38	7	3.36	.....	0.78	22	0	12	10	14	6	nw.	U. S. Airway Station
Gary	McDowell	1,426	27	72.0	+2.7	96	18	45	8	2.25	−2.72	0.72	6	0	12	17	9	4	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	75.4	.....	98	18	43	8	2.29	.....	0.47	16	0	10	...	...	...	.....	State Forest Nursery
Hamlin	Lincoln	641	1	73.4	...	96	5	40	8	2.76	.....	0.77	23	0	11	12	14	4	.....	F. E. Brown
Hinton	Summers	1,431	55	74.2	+3.7	103	18	44	8	2.98	−1.32	1.69	24	0	11	...	...	...	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	77.9	+5.0	100	18†	47	8	2.72	−1.51	0.58	16	0	13	10	15	5	nw.	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	69.3	+2.1	92	13†	36	8	3.80	−0.14	2.27	14	0	8	17	9	4	w.	James B. Stuart
Logan	Logan	700	31	76.2	+2.6	100	18	47	8	4.31	−0.58	1.27	1	0	11	11	15	4	.....	Paul A. Simonds
London Locks	Kanawha	623	9	74.5	.....	98	18	46	8	3.78	.....	0.97	22	0	11	24	0	6	se.	Lockmaster
Madison	Boone	675	23	72.6	+0.3	95	29	44	8	2.18	−1.98	0.41	24	0	12	.....	.....	.....	.....	C. B. Whitlock
Oak Hill	Fayette	1,950	2	69.4	.....	90	18	30	8	3.94	.....	1.65	22	0	12	5	20	5	.....	M. H. Martin
Pineville	Wyoming	1,350	2	74.6	.....	97	29	43	8	3.61	.....	1.26	6	0	9	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	54	76.4	+4.0	100	29†	46	8	3.07	−1.01	0.95	29	0	11	19	3	8	.....	E. C. Winger
Rainelle	Greenbrier	2,424	13	68.9	+3.4	93	13†	36	8	2.72	−2.38	0.87	23	0	14	17	3	10	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	72.8	+2.3	97	29	41	8	2.05	−2.09	0.55	5	0	12	15	8	7	nw.	Lockmaster
Richwood	Nicholas	2,193	13	69.7	+1.3	92	18	34	8	2.82	−2.27	1.52	14	0	7	15	8	7	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Sattis Simmons
Ryan	Roane	700	41	72.9	+4.1	98	17†	39	8	0.98	−3.67	0.52	10	0	6	16	11	3	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	66.0	.....	88	18†	31	8	2.82	.....	0.63	14	0	10	19	5	6	w.	Supt., State Forest
Spencer	Roane	789	45	73.8	+4.1	101	18	39	7	2.00	−2.51	0.60	23	0	11	10	19	1	.....	A. M. McKown
Summersville	Nicholas	1,900	8	67.2	.....	92	18	34	8	2.43	.....	0.50	14†	0	10	10	15	5	.....	A. E. Dorsey
Sutton	Braxton	850	41	74.6	+3.3	97	29†	41	8	3.73	−1.23	1.10	14	0	10	....	....	....	.....	C. B. Eakle
Union	Monroe	2,200	40	69.8	+2.0	94	19	37	8	1.89	−2.10	1.04	23	0	6	....	....	....	.....	C. B. King
Webster Springs	Webster	1,500	12	71.8	.....	93	18	40	7	4.18	....	1.30	18	0	9	10	16	4	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	73.9	+5.9	95	19	31	8	2.21	−1.77	0.87	14	0	10	13	15	2	w.	Ashford General Hospital
Williamson	Mingo	673	43	76.0	+3.4	97	18	48	8	2.76	−2.01	0.89	10	0	10	15	12	3	ne.	J. E. Dotson
Winfield Locks	Putnam	571	6	74.7	.....	99	18	46	8	1.71	.....	0.40	1	0	10	14	7	9	sw	Lockmaster
State averages and extremes		.....	....	71.9	+2.0	103	18	28	8	4.19	−0.27	2.58	23	0	11	13	11	6	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for June 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac		.45	.20			.18	.26	T.		.18	.53	T.		.24	.42	.43	.38	T.		.84	.12		.31	.80								5.34
Brandywine	do	.06					.56				T.				.50	.03			T.		.97			.27	.47								2.86
Brushy Run [2]	do		.08	.08				.02			.04	.48			.05	.42	T.			T.	.26			.82	1.58								3.83
Harpers Ferry [2]	do		.72					.01			.04	.04			.20	.40	.03	.05							.03								1.52
Inwood	do	1.00	.46			T.		.96							10	.13				T.			.05		.05								2.75
Kearneysville	do	.38	T.					.31			T.				T.	.04		.21		.03				.04	T.								1.01
Knobly Mountain [2] †	do		.30	T.	.05	T.		.06			.05	.25			.20	.65	T.	.07			.19			.05	1.80								3.67
Martinsburg [2]	do	.95	.02		.05		.24				.03				.03	.34	.05			.02			.01	.05	.06								1.85
McNeill †	do	T.	.17				.10				.45				.83	.03		.07		.05	.06		T.	.35	1.17								3.28
Petersburg	do		.26					.17			.27				.49	.16			.11		.11			.53	.29								2.39
Piedmont	do		.39	.09		.08						.12			.88	.06				.05	T.			.31	1.68								3.66
Romney	do		.56		.05						.30				.40	.15				.08					.95								2.49
Spruce Knob [2] †	do		.30	T.		T.		.09				.22			.15	.19	T.	.11	.12	.08	.34	.22		.37	.26				.18				2.63
Stony River Dam [2] †	do		.22	.16				.06			.41	.14			.07	1.54	.07	.30	.04		.84	.18	.36	1.08									5.47
Wardensville [2]	do		.77	.08				.25			.16	.16			.26	.31	.01				.16			.18	.58								2.92
Northern Division																																	
Aberdeen †	West Fork	.20	.10	.27	T.		.02				.40				.58	T.		.39	.94	T.	.53	T.	1.05	1.39	.03					T.		5.90
Bellington [2]	Tygart		.14	.37		.80	.01	.05			.13	.74			.23	.45	T.	.24	.90	.03	.44	.03		.63	.56								5.75
Benson †	West Fork	.60	.22	.44							.13				.48			.20	.32	.72			1.26	1.75									6.12
Bens Run	Ohio	.25		1.25							.02				.02		.12			.37				1.41				.07		.25		3.76
Big Skin Creek †	West Fork	.29		.14		T.	.04	T.			.61			.81			.03		.85	.12		.23	.72	1.05								4.89
Brandonville [2]	Cheat	.20	1.14	16							1.30				1.20	.30	.05	.08	*	.30	.24	.10	.06	.70	1.04						.02		6.89
Brownsville †	West Fork	.78		.16		.03					1.46				.66			.07	.21		.41		1.23	1.00								6.01
Buckhannon	Tygart	T.	.28	.14	.05		.07				.66								.93	.40	.05		1.04	1.20									4.82
Cairo	Litl.Kanawha	.15	.39	.31							.84				.13	.01		.10		.01		.02	1.80	.40				.10			1.56		5.82
Clarksburg [2]	West Fork			.22			.05				.19				.70	.04		.62	.60	.75	.05			1.35	.35						.23		5.15
Crawford	do	.28		.08	.10		.14				.40				1.15	.17			.28	.07	.02		.87	.57									4.13
Creston [2]	Litl.Kanawha	.62	.19	.04		1.37					.33	.15			.01	.08	.35	.07		.05	.05	T.		.40	.05				T.		.40		4.16
Dailey [2] †	Tygart		.53	.03		1.94	.33	.56				.61			.32	.44			T.	.24	.34	.02		.90	1.15								7.41
Dam 10, Mon. R. [2] †	Monongahela		.53	.56		.02					1.09	.14			.04	.19	.07	.20	.24		.07	T.		.97	.43						.89		5.44
Dam 13, O. R. [2] †	Ohio	.05	T.	.77			.12				.53	.01			.10	.09	.08	.20	.51	.23		.01		.68	.35						.22		3.95
Dam 15, Mon. R. [2] †	Monongahela		.23	.28							.60	.25			.06	.32		.52	.22	.15	.63	.05		.96	.75								5.02
Dam 19, O. R. [2] †	Ohio	.25	.22	.71			T.				.15	T.			.12	.06	T.	.07		.27	T.		.05	.51	.03						.96		3.40
Dam 20, O. R. [2] †	do	.29	.28	.22			.10				.42				.58	.10	T.	.05		.22	T.		T.	.18	.02						.10		2.56
Ellzabeth (Dam 3) [2]	Litl.Kanawha	.66	.22	.16			.05				.61					.08								.70	.22						1.35		4.05
Elk †	West Fork		.33					.34			.63				.83		.15		1.18	.49			.70	1.48							.09		6.22
Elkins [1] †	Tygart	.43	.07	.01	1.44	.35	.65			T.	.43			.20	.34	.17	.06		.87	1.30	.02		.57	.85			T.						7.76
Fairmont [2]	Monongahela		.12	.22		.14	T.				.51	.12			.21	.14		.60	.31		.30	.04	.03	.84	.36								3.94
Glenville [2]	Litl.Kanawha	61	.17	.22		2.40	.47				.26	.12			.47	.05	T.	.09			.15	T.		.96							1.16		7.13
Grafton	Tygart		.10	.21		.33	T.				.42				1.23			.51	.50	1.16	.04		.43	.51	.72						.09		6.25
Hackers Creek †	West Fork	.29		.30	.03					.20					.79				.25	.39	.60		1.11										3.96
Hall [2]	Tygart	T.	.27	.11			.02				.19	.41			.30	.09		.28	.63	.11	.41	T		.81	.90								4.53
Harrison Co. Airport [2]	West Fork	.05	.47		.13		.03			.19	.05			.86	.02	T.	.72		.12	1.05	.01		.69	.62					.01				5.02
Hastings	Ohio	.01	.04	.40			.03				1.28				.18			1.40	.04	.61		.04	.67	.80								5.50
Horner	West Fork	.18	.03				.12				1.05				.62			.10	1.35	.30	.20		1.00	1.25								6.20
Ireland	do					2.00	.10				.65					.35		.30	1.00	.20	.18	.40	.20									5.38
Jane Lew	do	.30	.16	.22	T.						.17				.84			.12		1.78	.42		1.22	1.81	T.								7.04
Kumbrabow St. For. †	[2] Tygart	.11	.76	.06		.13	.30	.07			.52	.01			.54	.03		.10	.61	.29	.19		.77	1.83	.14								6.86
Manniugton	Monongahela	.14	.01	.31	.12						1.00				.15		1.22	.01	.16	.32	.05		.49	.25	.66								4.89
Middlebourne	Middle Is. Creek	T.	.64	.42		.04	T.				1.33	.24			.05	.06			.16	.73	T.	T.		2.03	.22					T.		5.92
Midvale [2] †	Tygart		.46	.17		.16	.13	.46			.57	.81			.55	.19		.29	.12	.60	1.33	.06		.91	1.16						1.20		7.97
Morgantown	Monongahela	.30	.02	.65	.20						1.16				.35	.05	.05	.03	.12	.08	.05		.09	.35	.04								4.74
Mt. Clare	West Fork	.15	.45	T.	T.	T.	T.			T.	.40			T.	1.32	T.	.35	T.	1.19	1.00	.23	.02	.83	1.65	T.								7.59
New Cumberland	Ohio	.72	T.	.72	.10						.50	T.			.30	.02	.09			.30	.04		.02	.45	.01								3.27
New Martinsville	do	.17		.60			T.				.95				.70	.05	.47		.11	.12	.04		.89	1.20	T.						.67		5.97
Parkersburg [1] †	do	.12	.57	.03		T.				.12	T.			.36	.01	T.	.54			.15	T.		1.19	.05				T.	T.				8.57
Parsons	Cheat	.55	.07	.86	.05	.04	.18	.01			.60	.08			1.32	.03		.52	.05	.15	.92	.01	.60	.36	1.46								3.44
Philippi [2]	Tygart	.03	.03	.75		.02	T.	.27			.18	.24			.35	.17	T.	.34	.51	.25	.34	.03		.76	.45						.30		7.98
Pickens	do	1.00	T.	.10	1.20		.30	T.			1.15				.80			.05	1.44	.24	.16		.85	1.94	.08			.14			.12		4.72
Roanoke	West Fork	.25	.15				.11				.81				.54				.07	T.			1.00	.53								9.45
Rockford †	do	.02	.35	.43							.32				.65		.23		1.54	.70			.96	1.93					T.				3.46
Rowlesburg [2]	Cheat		.13	.48				T.			.26	.20			.48	.18		.38	.40	T.	1.31	.17		.89	1.06								7.13
Saint Marys [2]	Ohio	.35		1.03				.03			.53	.05			.44			.23						1.50	.33						1.02		5.94
Salem	West Fork		.11	.39	T.						.43				1.06	T	.71		2.25	.81	T.		1.02	1.79								5.51
Shinnston	do	.01	T.	.05	.10	T.					.25				.65			1.20		.50		.05	.15									8.57
Terra Alta † ‡	Cheat																																2.96
Thomas [2]	do		.17	.22			.79	.20			.15	.55			.09	.93		.45			1.54			1.35	1.55								7.99
Valley Chapel	West Fork	.27	.04	.17							.30				1.12			.16	.45	.02	.13		.96	.80	.03								4.45
Valley Head [2]	Tygart		.10	.09		T.		.56			T	.64			.15	.18		.02		.30	.48	.05		.84	1.84				T.				5.25
Vandalia †	West Fork	.26		.06			.06				.30				1.42		.08		.85	12			1.24	.96									5.35
Wellsburg (near)	Ohio	.19	T.	.45	1.03						.27					T.	.07		.84	.58			.15	.47	.17					.27			4.49
West Milford	West Fork		.26	.60							.30				.78			.45	2.02	.68	.10		.90	1.85									7.94
Weston [2]	do	.10	.28	.21		.04	.05	.03			.42	.03			.71	.10		.38	T.	.34	.12			.82	1.05								4.68
Wheeling (Dam 12) [2]	Ohio	.05	.10	.37		T.					.30	.10			.02			.19	.40	.20	.01	.02		.61	.54						.32		3.23
Southern Division																																	
Arbovale [2]	Greenbrier		.37	.42				.77				.16			.06	.33	.01	.05	.02	.10	.24	.02		.70	.93	.01					.31		4.50
Athens	New	.04	T.				.05				.05			T.	.11		T.				T.		.77	1.74	.23						.39		3.38
Beckley	New																																
Bluefield	New		.53	.18			.08	.04			.15				.70						.12		.04	1.00	.11					.01	.20		3.16
Camden-on-Gauley [2]	Gauley		.07	.96				.35			.09	.53			.33	.19		.22		.03	.33			.62	.21								3.93
Charleston	Gr. Kanawha																																
Charleston (Airport) [4]	do	.54	.11	T.		T.	T.			T.	.49				.08	.07	.13	T.		.02			.51	.23	T.								2.18
Clay [2]	Elk	T.	.04	T.		T		.01			.03	.68			.66		.09				.34			.20	T.								2.05
Flat Top [4]	New	.26				.11	.20			.41	.11			.05	.18		.26			.31			.78	.67	T				.02				3.36
Gary [2]	Big Sandy		.47				.72	.06			.14	.11			.14	.14		.16			.10			.08	.06						.07		2.25
Greenbottom [2] †	Ohio	.46	.06	.32			.38				.02				.07	.25	.47						.07		.19								2.29
Hinton [2]	New		.25				.06	.09			.03	.05			.48		.02				.09			1.69		.05					.17		2.98
Hogsett [2]	Ohio	T.	.23	.17				.42			T.	.07			.04	.01				.10			.11								.10		1.25
Huntington	do	.25	.03	.07			.12				.31				.47	.05	.55	.03		.23			.15		.17						.29		2.72
Kayford [2]	Gr. Kanawha																																
Lewisburg	Greenbrier						.06				.05			.10	2.27	.25					.05			.64							.38		3.80
Logan [2]	Guyandot	1.27	.70	T.	T.	.38	.48	.47			T	.52			.07	.28	T.	.03			T.		.03	.08									4.31
London Locks [2] †	Gr. Kanawha		.19					.30			.03	.29			.03	.21	.08	.86			.37			.97	.45								3.78
Madison [2]	Coal	.25	.09			.21	.23	.02				.06			.04	.27	T.			.04			.21	.35	.41								2.18
Oak Hill	New	.18				.72	.03			.04	.09		.37		.19		.42			.12	.01		1.65	.12									3.94
Pineville	Gr. Kanawha		.75				1.26				.30	.29			.12						.42		.23	.12	.12				T.				3.61
Point Pleasant [2]	Ohio	.65	.04	.67		.06	.35				.12				.10	.07	.02	T.		T.			.04	T.				T.	T.		.95		3.07
Princeton [2]	New		.10		T.		.08								.07	.26								.80	T.						.60		1.91
Rainelle	Greenbrier	.01	.06	.07			.03	.25			.25				.62	.15	.02	.05		T.			T.	.24	T.						.18		2.05
Ravenswood [2]	Ohio	.27	.03	.18		.55	.30				.03	.10			.03	.09	T.	.05															2.72
Richwood [2]	Gauley		.20												1.52	.21			.34		.35					.10					.10		2.82

Continued on next page.

Daily Precipitation for June 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha				.08						.52				.15					.05		.10									.08		0.98
Seneca State Forest†	Greenbrier	.61					.07	.24			.38			T.	.63	.25			.05		.25			.32							.02		2.82
Spencer [2]	Litl.Kanawha		.35	.18		.10	.06				.06	.06				.02					.12		.05	.60						.40		2.00
Summersville [2]	Gauley				.25			.20		.28		.06	.27		.50	.10					.12		.15	.50								2.43
Sutton	Elk	.22			.52		.06	.05				.40			1.10					.38	.22		.50	.28						T.		3.73
Union [2]	New								.03						.05						.20			1.04	.07					.50		1.89
Wayne [2]	Twelvepole		.25				.07					.93			.12	.14		.16						.05								1.72
Webster Springs	Elk						.25				.20			T.	.73		.30		1.30	.40	.50		.40	.10						T.		4.18
White Sulp'r Spgs.	Greenbrier						.05	T.			.01				.87	.46	.01				.12		T.	.30								2.21
Williamson [2]	Big Sandy	.21	.26				.75	.09			.05	.84			.09	.04	.13						T.	.17	.17					.05		2.76
Winfield Locks [2]†	Gr. Kanawha		.40	.14			.01				T.	.29			.04	.16	.02		T.	.31			T.									1.71

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for June 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	80	79	83	75	82	77	58	70	78	75	78	82	87	79	77	85	84	88	84	60	71	74	79	70	77	81	89	86	88	79	....	78.5
	Minimum	45	55	58	58	49	52	49	28	32	42	53	45	47	49	57	50	55	62	60	54	51	52	60	55	59	58	50	50	54	58	....	51.6
Beckley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bluefield	Maximum	85	82	81	78	81	80	78	77	79	77	78	88	88	84	83	84	88	92	88	72	75	84	86	84	79	84	88	88	88	84	....	82.8
	Minimum	62	61	64	60	60	63	53	42	59	64	57	57	64	64	62	65	65	66	67	56	45	55	66	65	57	55	61	65	63	63	....	60.2
Brandywiue	Maximum	85	87	88	72	78	84	70	74	82	84	80	88	92	89	84	88	90	93	87	70	75	70	85	78	80	86	91	93	93	86	....	83.4
	Minimum	54	57	58	54	53	58	52	35	45	62	54	48	52	54	52	60	56	67	64	55	52	45	60	56	57	49	52	53	57	58	..	54.3
Buckhaunon	Maximum	85	80	82	76	84	80	76	70	83	77	75	82	88	82	80	85	87	88	87	70	80	83	82	81	79	81	87	89	88	86	....	81.8
	Minimum	59	58	60	60	55	64	52	35	50	60	55	51	54	54	54	60	60	63	66	50	44	50	57	63	50	51	57	60	61	66	....	56.0
Cairo	Maximum	85	83	86	90	91	87	81	78	85	88	82	86	92	93	89	91	92	97	97	91	79	82	87	88	83	85	92	94	96	96	....	88.2
	Minimum	59	64	63	64	60	66	54	40	50	61	54	54	57	65	67	61	61	67	67	57	44	53	62	62	53	53	62	63	63	64	....	59.0
Charleston (Airport)	Maximum	85	88	88	94	87	82	68	78	90	81	81	91	95	88	87	90	95	98	93	65	83	86	90	84	87	92	96	98	98	87	....	87.5
	Minimum	61	62	63	68	61	60	44	42	54	62	58	58	60	66	63	63	66	70	65	49	47	57	65	56	56	56	65	64	64	64	....	59.6
Clarksburg [3]	Maximum	85	86	85	91	88	82	62	79	88	80	81	87	94	85	85	89	89	94	88	66	78	77	87	78	80	83	93	93	94	79	....	84.2
	Minimum	57	63	61	64	59	61	55	38	39	51	58	53	55	60	67	61	61	64	66	57	47	48	56	64	52	53	56	62	61	64	....	57.2
Elkins	Maximum	80	80	82	83	84	78	62	74	83	74	76	83	99	80	78	85	84	89	86	65	71	70	81	73	75	80	88	89	88	77	....	79.6
	Minimum	56	64	59	62	59	61	40	37	51	63	57	54	55	64	62	60	61	63	65	50	51	49	61	61	51	53	57	60	61	59	....	56.9
Fairmont [3]	Maximum	88	87	88	91	90	85	70	79	88	80	81	88	94	87	84	92	90	95	90	69	81	73	88	79	85	85	94	95	95	82	....	85.8
	Minimum	62	67	63	67	60	70	55	41	50	64	57	55	60	67	67	61	63	70	69	57	49	55	60	63	52	55	63	65	67	65	....	60.6
Flat Top	Maximum	80	78	77	75	76	73	60	72	75	77	74	83	85	76	78	81	82	87	84	59	72	79	80	68	72	79	83	86	85	75	....	77.0
	Minimum	60	61	59	56	55	55	38	40	53	57	50	51	57	60	62	63	65	63	59	45	45	51	62	57	49	48	54	59	56	58	....	54.9
Gary [3]	Maximum	88	86	86	89	86	81	67	84	84	84	83	90	92	85	85	87	91	96	92	69	78	88	91	79	82	89	94	93	94	82	....	85.8
	Minimum	59	60	62	62	57	61	56	45	49	58	60	59	59	62	64	64	64	65	69	59	46	47	54	68	52	54	55	60	60	63	....	58.4
Glenville	Maximum	84	88	89	92	92	85	82	80	91	90	84	91	96	95	89	92	94	99	98	79	84	83	89	89	85	88	96	99	97	93	....	89.8
	Minimum	63	65	63	68	60	68	56	44	52	67	60	58	60	67	68	65	65	70	64	57	48	54	65	64	66	57	64	66	65	65	....	61.8
Graftou	Maximum	85	85	87	86	86	84	79	71	86	86	77	81	91	93	83	83	87	91	89	89	74	74	83	83	81	82	91	91	90	93	....	84.7
	Minimum	54	62	56	59	53	62	49	32	46	58	52	49	52	62	58	53	56	63	62	49	44	46	57	59	44	49	55	59	59	60	....	54.0
Huntington	Maximum	90	91	91	94	92	84	79	80	91	87	83	90	94	91	91	89	95	100	95	91	85	87	92	91	90	94	97	100	98	96	....	90.9
	Minimum	66	68	68	68	70	70	55	47	57	66	60	60	64	71	67	67	69	74	73	60	52	64	72	65	61	61	67	68	69	69	....	64.9
Lewisburg	Maximum	83	83	87	79	82	80	70	76	79	84	81	90	92	83	83	88	87	91	91	83	75	82	86	78	79	87	90	91	92	82	....	83.8
	Minimum	55	58	55	57	58	58	50	36	49	56	54	50	56	55	58	60	59	59	63	53	41	46	64	64	51	48	55	58	57	62	....	54.8
Logan [3]	Maximum	90	92	81	91	88	82	70	84	89	90	87	92	95	90	91	90	97	100	96	74	84	92	94	88	91	92	96	96	99	87	....	89.6
	Minimum	64	64	65	67	64	64	58	47	50	60	67	64	64	67	70	68	68	69	74	63	52	52	62	70	56	56	61	66	65	67	....	62.8
Madison [3]	Maximum	86	87	87	90	80	81	68	77	90	75	79	89	91	85	88	89	88	94	85	70	76	88	83	78	84	89	93	94	95	85	....	84.8
	Minimum	62	63	62	66	61	64	55	44	49	63	62	60	61	66	66	66	66	69	70	60	49	51	57	62	52	55	58	64	64	65	....	60.4
Mannington	Maximum	84	87	88	87	87	85	75	79	87	84	81	89	93	87	87	88	91	94	92	79	80	78	86	83	83	85	93	93	93	81	....	86.0
	Minimum	58	65	61	65	57	68	53	38	47	60	56	52	56	65	62	59	59	67	66	54	45	50	60	62	48	53	61	63	64	60	....	57.8
Martinsburg [3]	Maximum	92	87	91	76	74	85	67	74	78	83	81	85	91	90	76	92	92	96	94	79	79	68	85	81	87	89	95	91	98	88	....	84.8
	Minimum	59	63	64	61	57	54	59	40	49	60	60	53	62	64	62	59	63	66	67	60	59	57	61	66	64	58	62	68	63	72	....	60.5
Morgantown	Maximum	85	84	84	88	85	83	76	79	86	80	80	84	90	84	84	86	89	92	87	75	76	74	84	87	81	86	92	91	90	81	....	84.1
	Minimum	64	60	60	65	60	69	50	40	55	61	55	55	58	66	67	61	65	70	68	53	50	59	65	60	54	55	62	68	65	59	....	60.0
New Martinsville	Maximum	88	90	88	93	88	85	79	78	89	84	81	88	95	93	87	93	94	97	93	87	82	79	88	86	85	86	96	95	96	84	....	88.2
	Minimum	63	67	64	67	64	71	54	43	50	64	58	56	61	67	67	63	64	71	71	55	51	51	68	62	55	56	63	67	67	62	....	61.4
Parkersburg	Maximum	87	88	88	91	87	80	64	75	87	80	77	86	92	90	86	92	93	98	92	65	83	82	91	80	82	88	96	97	98	81	....	85.9
	Minimum	64	67	66	69	68	58	50	44	55	60	55	56	63	69	69	66	68	75	65	56	50	62	68	63	58	60	71	71	69	65	....	62.7
Pickens	Maximum	78	81	79	88	81	78	69	78	80	72	76	82	87	82	85	84	87	88	84	64	62	73	80	70	73	79	82	90	90	75	....	79.2
	Minimum	49	55	50	53	55	55	43	30	46	47	51	47	50	55	52	54	56	55	60	48	37	44	53	57	45	47	49	48	49	52	....	49.7
Point Pleasant	Maximum	77	86	86	92	92	86	76	76	87	87	80	85	95	92	88	86	92	97	97	87	80	80	90	90	84	91	97	97	100	100	....	88.4
	Minimum	65	66	65	68	67	68	55	46	55	68	56	57	63	70	68	66	68	75	76	61	52	63	72	65	61	61	70	69	70	69	....	64.5
Rainelle	Maximum	84	83	83	82	82	81	75	80	83	79	78	90	93	84	83	87	87	93	90	81	77	82	86	79	79	85	88	90	90	87	....	84.0
	Minimum	54	55	53	57	58	58	48	36	50	56	57	50	52	61	59	59	59	61	61	50	43	45	62	60	48	45	47	52	56	61	....	53.8
Romney	Maximum	90	87	90	70	82	85	75	75	85	83	83	88	92	89	78	91	92	98	95	92	77	80	89	81	89	90	95	95	97	75	....	86.3
	Minimum	59	63	64	64	59	58	59	37	48	63	55	51	57	65	62	58	61	65	67	58	58	58	60	60	63	64	55	58	62	61	66	....	59.0
Spencer [3]	Maximum	83	87	89	91	87	82	69	80	89	84	82	90	94	92	91	91	95	101	93	77	84	81	89	84	91	92	97	97	99	87	....	88.1
	Minimum	59	63	63	64	65	66	54	39	50	65	57	54	57	67	66	62	63	68	71	58	44	50	61	63	53	53	58	63	63	64	....	59.4
Sutton	Maximum	90	89	90	90	91	91	88	80	91	91	88	91	95	95	89	94	96	96	95	95	81	81	88	88	87	90	95	96	97	97	....	90.8
	Minimum	58	58	60	61	57	61	52	41	52	59	57	56	58	64	63	62	63	64	65	54	46	53	63	64	54	54	60	63	62	64	....	58.3
Wardensville [3]	Maximum	88	85	89	64	78	84	67	73	82	81	80	88	89	70	80	90	92	95	92	66	78	80	88	78	84	87	92	91	95	86	....	83.1
	Minimum	56	61	61	61	58	56	55	37	47	65	54	51	55	64	62	54	59	63	61	62	57	48	58	61	60	53	56	61	59	63	....	57.3
Weston	Maximum	88	89	90	95	90	88	70	81	91	92	88	90	96	89	88	92	92	99	92	74	82	78	88	80	85	86	97	98	97	85	....	88.3
	Minimum	60	68	64	65	60	68	55	40	57	65	60	55	60	71	62	63	62	68	74	60	48	55	64	65	54	55	62	64	65	66	....	61.2
Wheeling [3]	Maximum	86	88	87	88	87	80	68	78	86	78	80	88	94	91	86	89	93	96	89	73	81	76	85	81	83	85	91	95	95	61	....	85.3
	Minimum	63	66	65	66	65	68	52	45	49	56	58	56	58	64	69	65	66	69	68	59	49	52	63	63	56	59	61	55	70	63	....	60.7
Williamson [3]	Maximum	87	90	85	92	87	82	70	85	89	87	83	90	93	90	90	89	91	97	94	74	84	89	93	84	86	90	95	95	95	81	....	88.0
	Minimum	64	66	69	66	66	65	58	48	53	64	67	64	65	68	69	69	69	72	74	63	52	53	62	71	58	60	62	66	66	68	....	63.9

Daily Evaporation (inches) and Wind Movement (miles) for June 1944

Clarksburg	Evaporation	.184	.120	.160	.150	.197	.208	.282	.201	.180	.201	.198	.199	.204	.219	.139	.172	.192	.283	.293	.263	.073	.215	.028	.352	.305	.242	.128	*	.397	.242	.	6.027
	Wind movement	30	25	40	17	20	25	100	75	22	21	67	22	23	21	29	22	35	34	27	70	76	48	24	112	78	53	14	*	32	15	...	1,177
Wardensville	Evaporation	.247	.209	.218	.302	.080	.192	.107	.122	.200	.318	.208	.041	.327	.089	.141	.082	.224	.283	.359	.137	.147	.186	.077	.221	.204	.370	.059	.295	.205	.171	....	5.892
	Wind movement	20	36	31	57	31	47	29	46	*	63	23	24	13	24	25	18	27	33	*	66	64	36	23	47	98	37	16	19	11	20	....	987

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—8-11-44—925)

NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII JULY 1944 No. 7

GENERAL SUMMARY

This has been the third driest July of record, and was the driest since the drought year of 1930. The northeastern panhandle division averaged 63% of the normal amount of precipitation, the northern division, 66%, and the southern division 47%. With the exception of a few southern and north-central counties, the whole State was in drought condition at the close of the month. The areas that suffered the greatest monetary damage were the extreme northeastern, the southwestern, and the Ohio River counties.

On the evening of the 19th, a severe hail storm did extensive damage to a two-mile strip of farmland between Bens Run and the Ritchie County Line. The Friendly section in Tyler County was struck by a severe hail storm, accompanied by heavy rain, on the evening of the 20th. Much damage was done to gardens, orchards and late corn.

Temperatures averaged slightly below normal. Maximum temperatures were generally in the 90's or high 80's during the afternoons, but there were two periods, the 1st-4th and the 21st-25th, when it was quite cool in the early mornings.

Somewhere between 25% and 50% of the corn crop has been ruined by the drought. The meadows throughout large areas have been too dry to produce a second cutting of hay. Damage also has been heavy to gardens, potatoes and truck crops. Many farmers were hauling water for their livestock at the close of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 73 stations, was 72.6°, or 0.6° below the normal. The mean for the northeastern panhandle division was 74.0°; for the northern division, 72.1°; and for the southern division, 72.6°. The highest monthly mean was 79.7° at Great Cacapon and the lowest, 63.2° at Cranberry Glades. The highest temperature was 102° at Great Cacapon on the 7th, 10th and 12th, and the lowest, 34° at Cranberry Glades on the 4th and 22d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 2.65 inches, or 1.97 inches below normal. In the northeastern panhandle division the average was 2.39 inches; in the northern division, 3.13 inches; and in the southern division, 2.18 inches. The greatest monthly precipitation was 6.22 inches at Shinnston, and the least, 0.68 inch at Wayne. The greatest amount in any 24 consecutive hours was 3.84 inches at Madison on the 13th. The average number of days with 0.01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	4	2	3	6	16	14	2	2	2	1	6	1	..	13	21	10	3	..	2	2	2	18	8	1	..	3	..	..	2	..	1
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	1	..	..	..	..	1	..	..	..	..	4	2	..	..	..	..	..	3	2	2	..	..	3	1	1	..	2	2	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	1
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Thunderstorms	1	2	..	..	..	..	1	5	2	1	1	17	12	1	..	2	..	10	20	26	5	1	..	3	9	3	4	10	13	6	2

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.26	5	29.66	28	5.6	24	sw.	11	81	42	52	76	0
Columbus, Ohio	30.24	5	29.62	28	8.0	39	sw.	26	75	39	48	78	0
Elkins	30.30	4	29.70	27	4.6	24	w.	19	88	48	71	68	14
Huntington Airp't.	30.26	5	29.70	28	.....	20	sw.	11	80	41	54	....	0
Parkersburg	30.26	4	29.66	28	5.7	20	e.	19	79	42	52	71	0
Pittsburgh, Pa	30.25	3	29.67	27	8.3	34	sw.	28	75	46	50	65	0

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	**67.5**	..	..	5.08	6.57	3.50	5.59	0.0	..	..	..	..
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	..	..	..
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	13.32	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4 46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	**7**
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	**7**
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	38	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	**7**
1942	73.9	103	41	2.89	4.68	4.91	4.44	.0	12	13	12	6
1943	73.4	101	34	5.22	8.17	5.15	6.56	.0	13	10	13	8
1944	72.6	102	34	2.39	3.13	2.18	2.65	.0	8	16	10	5
Period	73.2	112	31	3.80	4.74	4.61	4.62	.0	11	14	11	6

Climatological Data for July 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41																	
Brandywine	Pendleton	1,586	28	70.2	−1.1	94	26†	40	22	2.73	−0.84	1.30	20	0	5	25	0	6	sw.	E. L. Keister
Great Cacapon	Morgan	500	....	79.7	.....	102	7†	47	22	2.15	.....	0.90	19	0	6	24	1	6	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	2.20	−1.30	0.59	14	0	6	....	....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	76.9	.....	101	12	52	23†	2.53	.....	1.20	20	0	5	22	8	1	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	76.8	+0.7	100	16	51	22	3.04	−0.15	1.40	27	0	6	14	16	1	e.	University Exper. Station
Martinsburg	Berkeley	435	52	76.3	+0.6	97	6	54	4†	2.53	−1.09	0.82	26	0	6	5	19	7	se.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	71.2	−0.4	98	12	40	22	1.61	−1.42	0.50	12	0	6	13	14	4	w.	R. E. Saville
Piedmont	Mineral	1,053	30	73.2	+0.9	96	12	48	22	2.29	−1.19	0.95	20	0	7	14	13	4	w.	C. A. Suter, Jr.
Romney	Hampshire	824	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	1.71	−2.43	0.80	20	0	4	6	11	14	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	26	72.8	+2.2	96	11†	45	22	3.14	+0.04	0.97	13	0	6	....	....	....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	2.83	−1.96	1.41	13	0	13	9	18	4	.....	L. Esle Bond
Benson	Harrison	1,080	19	72.6	+0.1	95	10†	46	22	4.72	−0.43	2.99	12	0	11	10	20	1	.....	R. D. Marts
Bens Run	Pleasants	652	43	75.4	+0.3	97	11	54	22	2.32	−2.21	1.10	20	0	5	27	3	1	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	67.9	.....	91	11	39	21	4.36	.....	2.90	13	0	5	....	....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	73.8	0.0	97	31	45	22	1.68	−3.12	0.95	13	0	5	19	11	1	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	68.8	−3.0	90	31	47	23	2.16	−2.56	0.70	13	0	7	20	11	0	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	73.4	−0.9	96	12	48	22	4.05	−0.37	1.51	13	0	11	13	18	0	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	71.9	−1.9	94	11	47	22	2.83	−1.25	1.95	13	0	9	20	6	5	se.	Clarksburg Water Board
Creston	Wirt	640	43	74.8	+0.1	95	10†	49	22	2.42	−1.80	1.50	12	0	7	9	20	2	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	72 8	.....	95	11	51	22	3.51	−0.57	1.84	13	0	9	20	7	4	s.	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	2.88	−1.48	1.10	12	0	9	....	....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	4.99	+1.06	3.06	13	0	10	....	....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	1.89	−2.04	0.75	13	0	8	....	....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.21	−1.72	1.40	13	0	6	....	....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	2.29	−2.11	1.23	13	0	6	....	....	.....	.....	Lockmaster
Elkins	Randolph	1,927	45	69.3	−1.0	89	31	46	22	2.53	−2.85	0.70	20	0	13	14	8	9	se.	U. S. Weather Bureau
Fairmont	Marion	883	52	74.2	−0.1	97	11	50	22	5.54	+1.14	2.57	13	0	11	20	7	4	w.	J. C. Robinson
Glenville	Gilmer	738	56	76.2	+0.9	98	11†	51	22	2.54	−2.33	0.78	13	0	9	13	15	3	w	Howard R. Brannon
Grafton	Taylor	1,050	50	69.8	−2.8	95	13	43	22	4.30	+0.22	1.73	13	0	8	24	2	5	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	72.4	.....	92	6†	46	22	3.49	.....	1.45	13	0	12	11	12	8	se.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	2.38	.....	0.93	13	0	8	17	11	3	se.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	2.62	−2.32	1.40	13	0	8	....	....	.....	.....	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW	Marion	974	42	71.0	−0.8	95	11	45	22	4.54	−0.25	1.66	13	0	11	15	10	6	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	3	73.0	.....	97	11	48	22	3.23	.....	1.42	13	0	7	16	10	5	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	68	72.9	−0.6	91	6†	50	22	3.35	−1.03	1.86	13	0	11	16	9	6	s.	State Dairy Farm
New Cumberland	Hancock	671	49	72.7	−0.3	98	30	47	22	1.82	−2.26	0.62	13	0	10	12	7	12	nw.	C. O. Valentine
New Martinsville	Wetzel	637	51	74.9	−0.3	98	11	49	22	2.18	−2.31	0.72	13	0	9	25	6	0	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	75.8	+0.4	95	11	52	22	1.71	−2.55	0.82	13	0	11	16	8	7	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	70.8	0.0	92	31	48	4†	3.10	−1.99	0.84	19	0	14	....	....	.....	.....	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	3.69	−1.04	1.32	19	0	11	....	....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	65.0	−3.6	93	13	40	4	4.27	−1.77	1.67	20	0	9	16	10	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	2.57	−2.32	0.97	13	0	10	20	9	2	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	73.0	.....	94	6†	50	2†	2.67	−2.53	1.00	13	0	8	8	2	21	w.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	4.88	+0.72	3.20	13	0	10	....	....	.....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	1.86	−4.63	0.80	21	0	4	22	3	6	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	74.3	+0.3	97	12	49	22	2.85	−2.08	1.63	13	0	12	18	10	3	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	71.9	−0.3	97	11	47	2†	4.07	−0.11	2.20	19	0	6	16	12	3	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	2.96	−1.69	1.59	13	0	11	....	....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	75.4	+1.0	98	11†	50	4†	2.24	−2.18	0.93	23	0	9	....	....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	74.2	−0.6	95	11†	52	22	1.65	−2.65	0.84	19	0	9	16	10	5	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	1.46	−3.25	0.33	13†	0	10	13	14	4	sw.	H. S. Sutton
Athens	Mercer	2,600	4	69.2	.....	86	12†	41	5	3.43	.....	1.33	18	0	12	14	13	4	nw.	Concord College
Beckley	Raleigh	2,440	40	71.8	+0.6	90	30	44	4	1.41	−2.97	0.55	13	0	7	17	8	6	w.	Post-Herald
Bluefield	Mercer	2,558	49	71 4	−0.2	90	26	48	22	3.46	−0.61	0.84	20	0	14	19	8	4	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charleston (Airport)	Kanawha	606	6	74.8	.....	98	16	51	21†	1.08	.....	0.36	13	0	7	7	17	7	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	2.11	−2.87	0.67	9	0	8	....	....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	63.2	.....	86	28	34	4†	1.16	.....	0.53	20	0	10	13	13	5	w.	Department of Justice
Flat Top	Mercer	3,270	6	66.0	.....	85	25	41	4†	1.94	.....	0.54	19	0	11	11	11	9	s.	U. S. Airway Station
Gary	McDowell	1,426	27	71.8	−1.3	94	25	49	4†	3.67	−1.26	1.33	3	0	8	....	....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	76.3	.....	99	11	50	22	1.12	.....	0.58	13	0	4	3	16	12	w.	State Forest Nursery
Hamlin	Lincoln	641	1	73.6	.....	96	28	47	22†	1.47	.....	0.65	13	0	7	9	19	3	w.	W. Va. Water Service Co.
Hinton	Summers	1,431	55	73.6	−0.8	99	25	49	4	1.60	−2 47	0.38	8	0	12	....	....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	78.0	+1.4	100	11	53	22	1.13	−3.17	0.41	20	0	5	15	12	4	nw.	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	5.01	−0.16	1.86	9	0	5	....	....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	70.2	−0.8	93	17†	41	22	1.46	−2.43	0.72	18	0	10	16	11	4	w.	James B. Stuart
Logan	Logan	700	31	75.9	−0.1	100	25	53	22	3.50	−1.43	1.56	13	0	9	12	14	5	.....	Paul A. Simonds
London Locks	Kanawha	623	9	76.0	.....	97	26	56	22	3 22	.....	.....	.....	0	8	....	....	.....	e.	Lockmaster
Madison	Boone	675	23	72.9	−1.9	94	11	51	4†	5.33	0.00	3.84	13	0	8	11	20	0	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	2	69.4	.....	91	26	40	23	2.13	.....	1.02	13	0	8	12	11	8	.....	M. H. Martin
Pineville	Wyoming	1,350	2	73.6	.....	97	26	48	22	1.34	.....	0.50	29	0	8	24	5	2	.....	Charles Dameron
Point Pleasant	Mason	595	54	77.6	+1.2	99	11†	53	22	0.86	−3.28	0.52	13	0	5	19	8	4	ne.	E. C. Winger
Rainelle	Greenbrier	2,424	13	68.5	−1.0	91	12†	40	4	2.67	−3.12	1.10	7	0	11	17	7	7	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	74.0	−1.1	95	6	46	22	1.04	−2.98	0.43	13	0	5	17	5	9	nw.	Lockmaster
Richwood	Nicholas	2,193	13	73.7	+1.9	92	12	40	22	1.45	−5.39	0.69	14	0	3	23	5	3	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	2	75.8	.....	99	31	47	22	1.21	.....	0.40	20	0	5	....	....	.....	sw.	Pfost Greenhouses
Ryan	Roane	700	41	73.3	+0.2	97	11	44	22	0.87	−3.73	0.33	20	0	7	18	12	1	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	67.2	.....	90	26	40	22	2 04	.....	1.17	13	0	5	24	3	4	w.	Supt., State Forest
Spencer	Roane	789	45	74.6	+1.0	97	11†	46	22	2.00	−2.24	0.75	13	0	8	13	17	1	.....	A. M. McKown
Summersville	Nicholas	1,900	8	67.7	.....	92	12	39	22	2.90	.....	1.60	13	0	7	15	11	5	.....	A. E. Dorsey
Sutton	Braxton	850	41	75.2	+0.4	98	31	48	22	2.54	−2.79	1.18	20	0	9	24	7	0	.....	C. B. Eakle
Union	Monroe	2,200	40	72.2	+0.6	95	25	41	22	0.78	−3.01	0.25	18	0	8	17	0	14	.....	C. B. King
Webster Springs	Webster	1,500	12	73.8	.....	93	11	50	21†	1.74	.....	1.02	13	0	4	18	12	1	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	73.6	+2.0	94	16†	44	4	1.24	−2.68	0.63	18	0	8	9	20	2	w.	Ashford General Hospital
Williamson	Mingo	673	43	75.8	0.3	98	26	53	22	2.63	−1.80	1.03	13	0	9	20	11	0	sw.	J. E. Dotson
Winfield Locks	Putnam	571	6	75.7	.....	95	11†	53	23	1.48	.....	0.69	20	0	7	16	12	3	sw	Lockmaster
State averages and extremes				72.6	−0.6	102	7†	34	4†	2.65	−1.97	3.84	13	0	8	16	10	5	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for July 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac																																
Brandywine	do		T.					T.	T.	T.			T.	.97						.70	.60	.23								.23			2.73
Brushy Run [2]	do													.20	.29						1.01	.52											2.45
Harpers Ferry [2]	do													.46	.59						.58	.12								.41	.02		2.20
Inwood	do													.33						.30	1.20	T.						.21		.24			2.53
Kearneysville	do												T.	.12						.31	1.01	.07							.20	.50			3.04
Knobly Mouutain [2]†	do													.57							.60	.43						1.40		.13			1.60
Martinsburg [2]	do												.13	.02						.81	.53	T.											2.53
McNeill†	do												.50	.48					.26	.06	.20								.82		.22			1.61
Petersburg	do													.87						.70	.06							T.	.11				1.99
Piedmont	do													.87	.01					*	.95	.43						.01		.36			2.29
Romney	do																													.02			
Spruce Knob [2]†	do								T.					.64	.32						.74	.27					.18				1.05	.14		3.34
Stony River Dam [2]†	do													.41	.04					.46	.80												1.71
Wardensville [2]	do													.97	.58						.28	.36	T.				.07			.88			3.14
Northern Division																																	
Aberdeen†	West Fork							.03	.04	T.	.05		.15	1.26						.26	.11	.14				.40	.09		.02	.26	.02		2.83
Belington [2]	Tygart								.11	T.		T.	T.	.49	.06					.33	.23	.55				.24	.32	.02		.32	T.		2.67
Benson†	West Fork							.02					.38	2.99					.02	.38	.19					.36	.04	.02		.27	.05		4.72
Bens Run	Ohio																		.40	T.	1.10							.09		.65	.08		2.32
Big Skin Creek†	West Fork							.09		.18			.04	1.25						.12	.21					.65	.14	.05		.30		.12	3.15
Brandonville [2]	Cheat										T.			2.90						.36	.40						T.	.08	T.	T.	.62		4.36
Brownsville†	West Fork												.13	.95							.13	.17				30							1.68
Buckhannon	Tygart							.05	T.				T.	.70						.11	.34	.37				.34							2.16
Cairo	Litl.Kanawha								.01				.07	1.44						.01	1.50	.23				.15	.12	.01		.23	.28		4.05
Clarksburg [2]	West Fork								.10	.03				1.82	.13						.03	.15				15				.40	.02		2.88
Crawford	do							.08	.05	.16			.03	.60						.32	.47	.81				.14	.04	.10		.24	.06		3.10
Creston [2]	Litl.Kanawha								.01					1.50						.60	.03	.20				.05		.03		T.			2.42
Dailey [2]†	Tygart							.15	.02			T.		.49	.16					.04	.47	.50				.19	.08			.58	.08		2.71
Dam 10, Mon. R. [2]†	Monongahela							.07						1.84					.05	.58	.09					.04	.12		.63	.09	T.	3.51
Dam 13, O. R. [2]†	Ohio								.23					1.10						.12	.31	.37					.06	.16	.31		.22	2.88
Dam 15, Mon. R. [2]†	Monongahela								.05					3.06						.17	.23	.44				.14	.11	T.		.72	.03	.04	4.99
Dam 19, O. R. [2]†	Ohio								T.					.75							.10	.30				T	.03	.39	.01	.18	.13		1.89
Dam 20, O. R. [2]†	do								T.					1.40							T.	.52				.03	.10	T.	.06	.10		2.21
Elizabeth (Dam 3) [2]	Litl.Kanawha												.20	1.23								.46					.05	T.	.20	.15		2.29
Elk†	West Fork							.10	.58					1.30						.34	.12	.10			.55								3.17
Elkins [1] †	Tygart							.10	.01				.09	.56	.01				.03	.55	.46	T		.20	.29	T	.05	T	.08				2.53
Fairmont [2]	Monongahela							.08	.02					2.57						.52	.25	.78			.40	.17	.02		.60	.13		5.54
Glenville [2]	Litl.Kanawha								.07	.10				.78							.28	.44			.16		.05		.60	.06		2.54
Grafton	Tygart								.07					1.73						.51	.43	.08	T.		.76				.69	.03		4.30
Hackers Creek †	West Fork												.05	1.48						.44	.24				.35				.15	.08		2.79
Hall [2]	Tygart								.04	.02				.97	.11						.46	.40				.16	.29	.04	.02	.17	.02		2.70
Harrison Co. Airport [2]	West Fork							.05	.02	T.			1.19	.26					.02	.25	.51			.05	.80	T.		.29	.03	.02		3.49
Hastings	Ohio								.01					.93						.12		.37			.17		.08		.58	.12		2.38
Horner	West Fork																																
Ireland	do							.08						1.10						.25	.15	.62			.20		.04		.35	.04		2.83
Jane Lew	do													.57						.15	.22	T.			T.	.05	T.					0.99
Kumbrabow St. For. †	[2]Tygart								T.	.02				1.40					.06	.54	.22	.05		T.	.06	.27	T.					2.62
Mannington	Monongahela								.11					.71					.40	1.45	.36	.19			.68		.05	.06	.52	.06		4.59
Middlebourne	Middle Is. Creek							.04	.02				T.	1.66					1.16	.27	.07	.44			.02		.30		.45	.11		4.54
Midvale [2]†	Tygart								.06					1.42							.33				.22	.09	.04	.16	.21	.12		3.23
Morgantown	Monongahela								.23					.56							.76	.69			.50		.08		.78	.06		3.08
Mt. Clare	West Fork							.05		.02				1.86					.30	.04	.06	.09			.12	.13	.12		.56			3.35
New Cumberland	Ohio							.16					1.17							.18	.76					.04	.10		.70	.09		3.20
New Martinsville	do													.62			.08			.08	.08	.04			.35	T.	.15	.03	.03	.36		1.82
Parkersburg [1]‡	do							.05					.03	.69						.29	.03	.41				.05						2.18
Parsons	Cheat							.01					.78	.04						.11	.22			T.	.15	.16	.19	.01	.01	.06	T.	1.74
Philippi [2]	Tygart							.03	.06		.30	.06		.65					.02	.84	.15	.60			.23	.01	.03	T.	.10	.02		3.10
Pickens	do								.09			.06	.01	.96	.27					1.32	.30	.20			.31	T.	T.	.09	.08	T.		3.69
Roanoke	West Fork								.14	T.				.58						1.33	.34	.33			.60	T.	.09	.83		.03		4.27
Rockford †	do							T.	.42	T.	T.		.05	.97						.08	.28				.10	.09	.10		.30	.18		2.57
Rowlesburg [2]	Cheat							.06	.04	T.	.06	T.		1.45						.56	.23	.10			.47	T.	.09		.09	T.		3.15
Saint Marys [2]	Ohio								T.		T.		T.	1.00	.10			.10		.20	.55	.61			.05		T.		.06	T.		2.67
Salem	West Fork								.04					3.20						.40	.54	.08							.19	.03	.18	.14	.08	4.88
Shinnston	do							.10	.01				.19	2.50							.32	.03			12				.33	.12		3.72
Terra Alta††	Cheat										.20		.05	3.17					.38			.30			1.47	.54		.01		.10		6.22
Thomas [2]	do																																
Valley Chapel	West Fork										.28			.50						.28	.80												
Valley Head [2]	Tygart							.07	.09				.07	1.56						.26	.10	.14			.13	.13	.08		.17	.05		1.86
Vandalia†	West Fork								.05	.05				.20	.83						1.52	.33			.25	.09			.27	.67		2.85
Wellsburg (near)	Ohio							.11	.06					1.04						.56	.36	.34			.28	.16	.15		.26	.08		4.26
West Milford	West Fork												.90	.05						2.20	.24	T.										3.40
Weston [2]	do								.14				.15	1.44						.10	.35	.08					.60	.08				4.07
Wheeling (Dam 12) [2]	Ohio								.11					.93	.20						.12	.40			.15	.16	.02		.32	.05		2.96
Southern Division									.03					.32						.17	.67	.12				30	.04		.10	.04		2.24
Arbovale [2]	Greenbrier																										.21	.08	.03		.02		1.65
Athens	New						T.	.21																									
Beckley	New		T.				.37	.12	T.	T.	.01	.21	.09	.33	.33				T.	.22	.08	.01			.05	.03			.11			1.46
Bluefield	New		T.				.15	T.						.55					1.33	.06	.42	.25		T.			.30	T.	.03	.01		3.43
Camden-on-Gauley [2]	Gauley			.10			.65	.21		.04	.03			.18					.09	.03	.43	.03								.13	T.	1.41
Charleston	Gr. Kanawha			.16				.11					1.11	.08					.20	.52	.84	.05		.06			.30		.05		.23	3.46
Charleston (Airport) [4]	do																		.05		.12	.25					.11	.04	.59			2.62
Clay [2]	Elk						T.	.07				.33	.03							T.	.18	.29											
Flat Top [4]	New			.14			.05		.67	.02	T.		.59									.04	.12					T.	.01	.17	T.		1.08
Gary [2]	Big Sandy	T.	T.				.35	.10					.23						.31	.54	.12	.01						T.		.48		2.11
Greenbottom [2]†	Ohio			1.33			T.	.34	.80					.11					.03			.87					.01	.06		.09		.12	1.94
Hinton [2]	New			.22									.58							.36								T.	.18	T.		.01	3.67
Hogsett [2]	Ohio							.38	.14	.04			.02	.20					.26	.02	.07	.09						.10		.08			1.12
Huntington	do							T.	.09				.28									.24						.12	.04			1.60
Kayford [2]	Gr. Kanawha						T	T.				.14	.20							T.	.41						.05	.03				0.69
Lewisburg	Greenbrier							.20	1.86				1.85	.23													.13		.25			1.13
Logan [2]	Guyandot						.12	.03				T.	.15						.72	.12	.02	.09					.87						5.01
London Locks [2]†	Gr. Kanawha			.05				.12	.11				1.33	.23				T.		T.	.33						.07		.02		.12	1.46
Madison [2]	Coal							.08	.18			*	1.91	.19						.06	.60					1.23	.04	.06	T.	T.	3.50
Oak Hill	New							.49	.20				3.84	.01							.40							.20				3.22
Pineville	Guyandot			.37			.08	.12					1.02							.04	.11						.37	.01		.01		5.33
Point Pleasant [2]	Ohio			.04				.28	.05			.07		.14								.11					.27		.12			2.13
Princeton [3]	New						T.	.18					.52								T.	.04	T.				.15		.50			1.34
Rainelle	Greenbrier							.48				T.	.48					2.23	.17	.25	.73				T.		.08			.04	T.	0.86
Ravenswood [2]	Ohio						1.10	.16	.08	.02			.45	T.				.03	.25	.06	.15						.18	.05					4.57
Richwood [2]	Gauley							T.					.43								.34				T.		.04		.18	.05		2.67
														.69						.24	.52											1.04
																																	1.45

Continued on next page.

Daily Precipitation for July 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio							T.	T.				.30	.20	.31					.20	.20	T.						T.					1.21
Ryan	Gr. Kanawha								.10				.15						.05	.03	.33					.11								0.87
Seneca State Forest†	Greenbrier								.16					1.17							.58	.08							.05				2.04
Spencer [2]	Litl.Kanawha								.01	.05				.75								.25				.26	.01		.65	.02		2.09
Summersville [2]	Gauley			.05				.10	.10					1.60					T.	.35	.25	T.					T.		.45			2.90
Sutton	Elk			.05				.15						.50					.22		1.18					.10	.10	.12		.12			2.54
Union [2]	New								.20	.04									.25	.05	.04	.10						.04	.06				0.78
Wayne [2]	Twelvepole	.01								.01				.23								.43						.10					0.68
Webster Springs	Elk		T.											1.02							.46					.16		.10					1.74
White Sulp'r Spgs.	Greenbrier							.04					T.	.25					.63	T.	.10	.09			.06			.04		.03			1.24
Williamson [2]	Big Sandy	.90						.01	.22	.02				1.00	.03													.27	.11			.07	2.63
Winfield Locks [2]†	Gr. Kanawha								T.	.32			.02	.12							.29	.40						.15		.18			1.48

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for July 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum																																
	Minimum																																
Beckley	Maximum	78	76	78	80	84	86	82	77	81	84	86	89	81	81	88	88	82	80	78	73	71	77	85	85	89	*88*	*86*	*86*	90	84		82.5
	Minimum	72	68	52	44	69	70	61	60	57	63	60	67	62	60	*64*	55	62	61	62	59	51	65	46	60	71	*66*	*64*	*59*	*64*	58	60	61.0
Bluefield	Maximum	78	78	81	*81*	84	84	80	73	78	82	83	88	84	79	80	88	*86*	86	79	78	73	76	*81*	84	89	90	88	88	86	86	*82*	82.4
	Minimum	59	*59*	58	*53*	51	57	62	61	60	*64*	65	65	70	66	64	57	*69*	62	61	58	58	48	54	*56*	65	64	65	60	65	*60*	60	60.5
Brandywine	Maximum	79	83	80	84	87	91	90	85	84	89	92	91	81	83	90	91	88	80	76	87	75	82	88	89	93	94	90	92	85	94	92	86.6
	Minimum	53	44	45	42	46	47	55	54	53	55	56	62	63	60	61	59	56	50	56	57	53	40	45	49	58	60	62	54	59	55	56	53.7
Buckhannon	Maximum	78	79	81	81	77	86	81	80	81	82	89	89	75	71	78	85	73	85	85	75	78	75	78	83	84	86	88	85	88	82	84	81.8
	Minimum	52	49	50	48	52	62	61	63	58	56	52	62	64	55	56	54	55	69	52	56	51	48	47	51	59	55	66	54	58	58	57	55.8
Cairo	Maximum	83	85	87	88	90	92	92	89	90	92	94	96	90	87	89	92	93	87	89	92	85	76	78	87	95	96	97	92	92	90	86	89.2
	Minimum	56	54	53	52	54	52	60	63	59	60	62	67	67	58	56	52	53	55	63	60	54	48	50	53	61	66	66	55	60	62	58	57.7
Charleston (Airport)	Maximum	85	85	86	90	93	93	80	89	92	95	97	94	87	89	93	98	89	90	85	76	78	87	95	95	96	97	92	95	90	93	95	90.3
	Minimum	57	58	55	54	54	57	64	61	60	61	64	68	62	60	59	62	60	60	62	60	51	51	52	56	65	66	60	57	64	61	59	59.4
Clarksburg [3]	Maximum	80	83	84	87	88	92	85	88	93	92	94	92	81	86	88	89	83	88	80	73	74	84	88	88	89	91	87	93	85	87	91	86.5
	Minimum	56	52	53	51	53	53	54	64	59	59	62	63	67	57	58	56	55	57	60	60	55	47	49	55	56	64	67	56	58	61	60	57.3
Elkins	Maximum	78	79	78	80	83	87	80	82	84	86	89	88	75	81	83	87	80	81	81	72	68	79	83	82	85	87	83	88	80	82	89	81.9
	Minimum	56	50	51	48	52	50	60	63	58	59	59	67	62	61	58	53	55	55	62	58	52	46	50	50	61	64	65	56	60	59	59	56.7
Fairmont [3]	Maximum	82	85	85	90	90	94	90	90	92	95	97	95	81	88	90	93	87	85	79	74	78	86	91	89	92	92	90	93	88	89	92	88.5
	Minimum	57	53	55	54	57	56	64	67	60	62	65	69	65	59	62	58	55	58	55	59	61	62	56	50	53	57	63	67	68	60	60	59.9
Flat Top	Maximum	75	72	73	73	80	81	70	73	77	79	80	84	79	78	79	83	78	71	73	73	66	75	80	81	85	84	81	84	77	83	78	77.6
	Minimum	56	56	47	41	45	49	57	57	58	60	60	59	62	61	54	54	59	58	54	53	43	41	45	55	63	58	62	52	57	55	53	54.3
Gary [3]	Maximum	85	83	82	85	87	87	71	82	84	87	88	91	79	85	86	89	86	85	85	80	75	88	87	89	94	92	90	92	86	90	88	85.7
	Minimum	63	59	53	49	50	57	58	63	56	60	61	63	65	67	64	57	60	63	58	57	58	49	49	54	57	58	61	59	60	53	58	58.0
Glenville	Maximum	85	89	89	91	92	94	93	94	92	95	98	97	92	90	91	95	90	89	89	81	79	88	90	93	96	95	94	96	94	91	98	91.6
	Minimum	59	58	59	55	58	57	65	66	63	62	63	68	69	63	60	59	58	58	63	61	57	51	53	55	65	69	70	56	63	62	63	60.9
Grafton	Maximum	82	84	85	85	88	90	91	88	87	90	90	94	95	84	86	87	87	84	84	80	71	75	85	85	88	90	90	91	90	85	89	86.5
	Minimum	50	46	48	46	50	48	56	59	53	55	57	60	61	51	55	51	49	52	54	54	52	43	46	48	57	61	65	52	56	55	56	53.1
Huntington	Maximum	87	87	90	92	95	94	90	90	93	97	100	97	89	91	95	97	95	95	93	83	81	89	96	93	98	95	91	93	91	90	97	92.4
	Minimum	61	60	60	58	60	60	61	67	67	66	70	73	72	63	62	60	63	65	63	67	57	53	56	60	70	72	68	62	65	69	63	63.6
Lewisburg	Maximum	81	78	80	83	88	89	78	79	84	84	90	90	80	84	88	91	93	82	76	78	75	83	87	88	93	92	90	91	88	85	91	85.1
	Minimum	60	58	56	45	47	50	61	60	54	60	57	56	64	61	61	48	55	60	56	59	56	41	45	49	56	55	66	50	59	50	56	55.2
Logan [3]	Maximum	89	86	88	90	95	91	79	83	91	95	96	95	83	90	92	95	91	90	85	76	80	87	95	95	100	99	91	94	92	91	90	90.1
	Minimum	66	64	57	59	55	58	62	65	61	61	65	67	72	68	63	59	61	64	65	61	58	53	55	58	62	63	64	61	63	62	61	61.7
Madison [3]	Maximum	78	82	86	82	92	92	78	81	84	88	94	85	74	87	87	90	88	89	77	76	72	85	89	89	91	93	83	92	81	89	87	85.2
	Minimum	61	58	56	51	53	57	62	64	59	60	63	67	69	65	66	59	60	62	64	66	55	56	52	56	62	63	66	65	63	61	59	60.6
Mannington	Maximum	81	83	86	86	90	91	85	89	90	92	95	93	85	87	88	88	85	84	77	73	77	84	88	88	88	89	86	89	84	86	92	86.4
	Minimum	52	49	49	48	54	50	58	65	57	57	60	64	65	55	57	53	48	54	57	58	54	45	50	50	58	63	64	54	59	58	57	55.5
Martinsburg [3]	Maximum	86	84	86	89	92	97	94	91	91	93	93	94	76	85	88	95	89	86	81	78	77	86	90	92	94	92	90	94	89	94	92	89.0
	Minimum	64	61	60	54	57	59	66	66	63	68	67	69	72	64	66	65	71	62	66	64	60	54	57	59	64	67	68	64	65	64	65	63.6
Morgantown	Maximum	82	84	86	86	88	91	86	91	89	90	91	90	85	85	86	88	82	84	75	75	74	83	84	84	87	88	84	88	87	94	91	85.4
	Minimum	54	54	55	55	56	59	64	64	62	64	68	72	63	56	60	58	53	60	63	64	55	50	55	63	65	66	67	65	60	61	62	60.4
New Martinsville	Maximum	84	84	87	90	91	96	88	94	93	95	98	94	85	89	91	92	87	89	83	80	79	87	91	88	93	92	89	94	86	90	96	89.5
	Minimum	57	55	55	56	59	58	62	66	61	63	65	71	65	61	61	56	54	61	64	60	54	49	52	55	64	65	68	69	61	61	61	60.3
Parkersburg	Maximum	81	85	85	89	88	91	87	88	90	92	95	93	82	86	91	91	84	91	85	77	77	83	92	90	94	92	88	92	87	92	91	88.0
	Minimum	60	62	61	56	61	60	64	66	66	68	71	71	68	66	61	61	61	65	64	63	56	52	58	66	68	70	69	65	62	66	64	63.6
Pickens	Maximum	75	78	79	80	80	82	81	80	78	80	84	82	93	84	83	82	78	75	76	78	61	73	85	76	82	82	85	74	84	86	84	80.0
	Minimum	46	47	50	40	*48*	*43*	52	54	50	56	57	60	55	50	51	57	45	45	52	51	46	48	42	47	54	48	54	52	51	53	50	50.1
Point Pleasant	Maximum	80	86	86	89	89	91	91	88	92	96	99	99	92	86	91	94	93	93	93	88	79	88	96	96	97	97	92	91	91	95	99	91.5
	Minimum	62	60	60	59	61	60	70	67	65	61	70	79	71	62	61	61	60	62	70	61	55	53	57	61	68	78	70	64	64	63	63	63.8
Rainelle	Maximum	81	79	80	81	85	88	86	79	84	85	89	91	83	82	86	89	88	85	79	74	74	81	88	87	89	90	88	91	85	90	84	84.5
	Minimum	54	53	49	40	43	45	47	57	58	61	57	51	62	59	60	48	55	53	58	55	55	41	43	45	54	54	62	51	56	51	52	52.5
Romney	Maximum																																
	Minimum																																
Spencer [3]	Maximum	83	87	87	91	94	96	84	93	93	94	97	94	85	88	93	96	88	89	85	75	80	86	95	92	97	93	93	94	89	92	96	90.3
	Minimum	54	55	53	53	52	51	62	64	59	61	63	63	69	59	58	55	59	58	69	63	55	46	50	56	64	68	69	57	61	63	58	58.9
Sutton	Maximum	91	88	87	90	91	94	94	92	92	93	95	96	96	90	93	95	95	89	90	90	82	84	90	91	95	95	94	94	94	91	98	91.9
	Minimum	60	55	53	51	54	52	62	64	60	60	61	65	70	63	58	57	55	56	60	58	59	48	49	52	62	65	66	56	62	60	60	58.5
Wardensville [3]	Maximum	84	83	84	88	90	95	94	86	90	93	96	96	75	85	86	92	85	82	78	89	76	85	89	91	94	96	93	95	87	93	94	88.5
	Minimum	52	53	53	46	50	52	57	64	52	61	60	66	71	61	64	60	51	53	61	58	56	45	50	50	62	61	63	55	63	61	63	57.2
Weston	Maximum	86	89	89	90	90	95	87	89	94	95	98	95	85	89	90	94	86	90	90	80	79	86	92	90	94	94	92	95	90	90	98	90.4
	Minimum	54	54	55	50	55	54	66	65	61	60	63	70	70	60	60	61	59	61	61	60	58	50	50	61	64	69	70	58	60	62	63	60.3
Wheeling [3]	Maximum	83	85	89	90	91	92	88	92	94	93	95	92	83	88	90	87	86	85	78	77	77	85	89	87	92	90	86	89	84	89	95	87.8
	Minimum	57	59	55	60	56	57	58	64	67	64	66	70	65	60	59	61	53	55	65	62	55	52	53	57	63	63	68	63	61	63	64	60.5
Williamson [3]	Maximum	87	85	85	88	90	90	75	83	90	94	95	92	84	89	91	94	89	90	83	77	80	87	93	93	97	98	91	94	92	91	90	88.9
	Minimum	67	64	58	56	58	61	62	67	63	64	66	70	73	68	63	62	64	65	67	62	59	53	55	60	61	63	66	62	64	62	62	62.8

Daily Evaporation (inches) and Wind Movement (miles) for July 1944

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.26	.19	.27	.21	.20	.36	.20	.07	.19	.23	.24	.19	.27	.21	.18	.24	.24	.24	.16	.09	.07	.19	.23	.23	.19	.20	.16	.28	.28	.22	.17	6.467
	Wind movement	36	23	55	20	22	22	19	12	24	19	22	25	48	26	19	16	53	49	11	44	27	61	15	21	50	29	38	78	45	65	27	1021
Wardensville	Evaporation	.39	.26	.24	.30	.20	.25	.25	.19	.19	.25	.21	.30	.42	.25	.21	.27	.20	.15	.39	.21	.27	.16	.13	.34	.45	.13	.33	.51	.19	.46	.32	7.545
	Wind movement	32	26	24	26	20	19	14	18	22	38	42	60	46	10	15	21	27	20	15	39	21	27	16	13	34	45	13	33	51	19	46	852

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—9-14-44—925)

THE TORNADOES OF JUNE 23, 1944

During the rapid passage of a cold front across northern Ohio, western Pennsylvania and West Virginia, during the afternoon and evening of June 23d, 1944, there developed a series of tornadoes of varying intensity and duration that brought widespread loss of life and destruction to north-central West Virginia, with the loss of life occurring mainly in the Shinnston area. One hundred and three persons were killed and four hundred and thirty injured. Property damage is estimated at close to $2,000,000.

A survey of the tornadoes in Western Maryland, Eastern Ohio, Western Pennsylvania and Northern West Virginia was made by the Weather Bureau Office, Pittsburgh, Pa. The report, insofar as it relates to West Virginia, follows:

"A series of tornadoes struck Western Maryland, Eastern Ohio, Western Pennsylvania, and Northern West Virginia on June 23, 1944. The first disturbance was observed in Eastern Ohio in the vicinity of Ravenna. The tornadoes moved from northwest to southeast in nearly parallel paths. Investigations show that there are four main paths of destruction and an intermediate one. The southernmost one begins northwest of Wyatt, W. Va. and extends a distance of about 40 miles to the mountains southeast of Montrose, W. Va. The second major path begins in the vicinity of Wellsburg, W. Va. and extends about 80 miles southeastward to the mountains southeast of Deer Park, Md. (about 2 miles east of Mt. Storm, W. Va.—S.S.S.) There is evidence of a third major path that extends from Ravenna, Ohio to the vicinity of Cumberland, Md. A minor tornado occurred (at 11:25 p.m., E.W.T.) at Thomas, W. Va.; the path of damage extended about one-half mile.

"The storm seemed to dissipate in the Allegheny Mountains which range in height from 2,500 to 4,000 feet. The major destruction occurred between the period 6:30 and 9:30 p.m., E.W.T. on the 23d. The tornadoes apparently progressed along their various paths simultaneously at rates varying from 30 to 40 miles per hour. At an elevation of 3,000 feet, the cloud movement was about 200 miles per hour, as observed by a pilot in the vicinity of Clarksburg, W. Va. Observers on the ground stated that funnel clouds varied in the forward rate of progress and this may account for the varing degree of damage. The funnel clouds were not observed over the entire course of the storms. However, the general cloud formation with a ceiling of from 0 to 600 feet decreasing toward the mountains had the same characteristics. Observers at Deer Park, Md., said the clouds were boiling and very turbulent. The funnel cloud had a black appearance at the base and shaded off into gray and white as it approached the cumulus clouds. The funnel clouds varied in diameter at the base from 10 to 100 feet; at the top, from ½ to 2 miles. Several obsevers state that the funnel clouds were often completely detached from the cumulus clouds and would disintergrate as they progressed forward, disappearing on the ground and reappearing further along the path. The funnel clouds had the appearance of an elephant's trunk that tended to dip to the ground at intervals. At some points, the funnel clouds resembled wobbling tops. The ruggedness of the terrain seemed to have little effect on the path of the funnels in that they tended to move in a straight line. However, the funnel cloud would tend to wobble, making a path of destruction from 500 to 1,000 feet in width. Observers who witnessed the path of the tornadoes from the air, state that there was some meandering but the general direction was from northwest to southeast, and the path looked as though a huge roller had flattened everything in its path.

"The clouds above the funnel had a greenish-black to a yellowish-black tint, depending on the elevation from which they were observed. In the more mountainous areas toward the southeastward end of the tornado paths, the funnel clouds were not observed. At these elevations the clouds were very turbulent and seemed to boil and the base had the appearance of rising bread dough.

"There was a terrific noise at all times accompanied by lightning and thunder. One observer stated that it sounded like the roar of several Deisel Engines. Most observers interviewed stated that there was very little rain or hail during the passage of the tornadoes. However, the records from the recording rain gages in the vicinity of the tornadoes showed varying amounts of rain during the storms: Hundred, W. Va., 0.78 inch; Grafton, W. Va., 0.67 inch; Elkins, W. Va., 0.10 inch; Clarksburg, W. Va., none; Terra Alta, W. Va., 0.39 inch; and Davis, W. Va., 0.88 inch. The only recording gage in the path of any of the tornadoes was Davis, W. Va. The 8-inch standard rain gage at Thomas, W. Va. was destroyed in the tornado.

"The Thomas, W. Va. storm was apparently a local tornado. Observers stated that they saw dark clouds approaching from the north and southeast, seeming to converge at Thomas. One point of interest in connection with this storm is that it occurred two hours later than the other major disturbances but moved in the same general direction and had about the same magnitude of damage.

"Although the major damage tracks were 500 to 1,000 feet in width, there is some evidence of damage for one to two miles on either side of the paths. The major damage and loss of life occurred at Shinnston, Flemington, Meadowville, Montrose and Thomas, W. Va.,....these being the only sizable towns in the paths. However, the broken, twisted and uprooted trees, and occasional farm houses and barns totally demolished, prove that the destructive forces were present over the entire extent of the paths.

"At Shinnston, W. Va., the path of the tornado was through a residential section, causing extensive structural damage. Many houses were completely demolished and others partially destroyed. All the buildings, except one, were of light frame construction. One brick dwelling had the roof and second story blown off. At this point, the force of the storm was sufficient to remove all vegetation and expose the mineral soil for a distance of several hundred feet.

"The path of the storm in the vicinity of Flemington, W. Va., was through a farming section. Trees were uprooted and mineral soil exposed and several farm buildings were completely destroyed.

"At Meadowville, W. Va., farm buildings, crops and trees were destroyed.

"At Thomas, W. Va., the path was through a residential section; brick railroad station partially destroyed.

"The communication and power lines were destroyed at practically all points wherever they were crossed by the tornadoes. ..... The debris left in the storm paths indicates that a great destructive force was present. The smaller pieces of debris showed definite evidence of counterclockwise motion. Partly demolished structures showed the results of explosive action. The damage appeared to be greater on the forward side of the hills than on the leeward; however, most of the towns damaged were in the valleys.

"Many unusual incidents have been recounted and many freak occurrences of structural damage were witnessed. The destruction observed had a marked similarity to the damage shown in pictures from the war zones. The following are eyewitness accounts of the catastrophe:

"Shinnston, W, Va.: Eyewitnesses of the tornado at this point described the disturbance as a funnel-shaped cloud which whirled like a top and tended to wobble somewhat. The funnel tapered from the ground up to the low cloud base with a width of about 10 feet at the bottom. Mrs. Miller, one of the people interviewed, gave the best description of the cloud at this point. She observed its progression from the time it was visible on the

ridge to the northwest of Shinnston until it was within 400 feet of her home at which time she sought safety by running from the house with her children. The cloud had a very dark appearance and she stated that there were all kinds of debris being carried along with the cloud. The upper cloud had reddish-yellow appearance and she thought at first that it was a mine fire due to the fact that a couple of days previous there had been a fire in the mine where her husband works and, therefore, she was concerned about the cloud formation.

"Other eyewitnesses stated that at the time the funnel passed across the West Fork River, the water was actually drawn up and that the bottom of the river was visible.

"There is some evidence at this point of more than one path of destruction which would indicate that there was more than one funnel as it passed through this vicinity. This is substantiated by destruction which was in a path off to the right with undamaged buildings and trees intervening. Observers stated that the cloud was moving at the rate of about 30 to 40 miles per hour. Mrs. Miller stated that as the funnel moved forward, objects which were in its path were first picked up intact, rotated and then as the cloud moved forward, they were completely shattered. She stated that it was difficult to breathe at the time of its passage. There was no rain or hail at this point. Debris was also visible coming out of the top of the funnel.

"Mr. Murray at the town of Wyatt stated that there were two funnels visible from where he was standing and the storm passed within about a mile of him. The main funnel had a width of about 10 feet and was black in color.

"Harrison County Airport (near Bridgeport): The tornado passed about 4 miles northeast of the airport. The cloud had the appearance of a funnel which extended from a general cloud deck with a ceiling of about 600 feet.

"Observation of Tornado by a Pilot approaching Harrison County Airport: The tornado was encountered in the vicinity of Clarksburg, W. Va., at 8:39 p.m., E.W.T. June 23. The plane was flying at an elevation of 2,500 feet M.S.L. The pilot first saw what appeared to be a smoke cloud but as he approached the cloud, he observed that it was twisting, and saw pieces of debris being hurled through the air at the top of the cloud. The top of the cloud seemed to explode and disintegrate. The cloud rose to a height of about 3,000 feet M.S.L. and appeared to extend go the ground surface. It was inclined at an angle of about 60 degrees with the horizontal, the top end of the cloud leading the lower end. The top end of the cloud seemed to be moving at about the same rate of speed as the plane which was 170 miles per hour. The upper end of the cloud had a whitish appearance while at the ground it was black. The top diameter of the cloud was about 2 miles and tapered down to the ground.

"Philippi, W. Va.: On route 119, north of Philippi, a local resident related having seen ten of his flock of sheep picked up by the wind and transported horizontally through the air to the other side of a draw, about a distance of 400 feet; the sheep were unharmed."

The following comments on the tornado in the Montrose area, where considerable damage was done, are from the Official in Charge, Weather Bureau Office, Elkins:

"From the wreckage, the tip of the cloud dipped down here and there and skipped areas between .... Here, in Elkins, only 12 miles from Montrose, there was little storm. From 9:00 to 10:00 p.m. E.W.T., the barometer was quite unsteady. At 10:00, or perhaps 10 minutes after 10:00 p.m., the barometer trace showed a sudden drop and recovery of 0.07 inch. There was a gust at 9:30 p.m. E.W.T., and it continued gusty to about 9:33 p.m. E.W.T.; the highest was 27 m.p.h."

Account of airplane flight over main path of tornado by Mr. Lewis Talbott, Principal, Flemington High School and Member, State Civil Air Patrol:

"We flew over the path of the tornado for approximately 40 miles several times and observed several amazing things. We started on the other side of Wyatt and followed the path until we lost it on Cheat Mountain. The path was almost a straight line although at some places it widened out until it was about 400—500 yards, and in other places it was less than 100 yards in width. Most of the trees on the left-hand side, flying southeast, were lying with the tops pointing in the opposite direction. The more open the country, the more narrow the path. In some places it was deflected up the valleys, and again it went directly up and over the top of high hills with the damage being as great on the downwind side as on the upwind side. Did not follow valleys or ridges generally but went up over the hills with very little jumping. As far as having the appearance of an elephant's trunk when the elephant was eating, I cannot say that it did. In some places, it had the appearance as if a small tornado had been formed out from the main path, pulled up a few trees and then broke up, but the main path remained distinct. As it hit the flat surface of the mountain behind or rather to the east of Montrose, it seemed to weaken in its force and narrow down some. The map I am taking from to-day's Clarksburg paper shows the trail as bending a great deal more than it looks from the air, but I believe that this can be accounted for by the fact that at some places the path was very wide and at other places very narrow. The compass of the plane was on 130 degrees most of the time. The most startling result of our flying, as far as I have observed is the fact that this tornado broke up on the side of the mountain east of the bridge that crosses Cheat River over the mountains from Montrose. The mountain there is extremely high with a very steep and flat face and as it went up the side of the hill the force seemed to get less and less until at the top of the high plateau we could not pick up the trail, although we flew in a large circle toward Thomas and Davis and back toward Harman, we could not pick up where it had jumped. We flew at 500 feet above the high plateau looking for any trace but without avail. Some damage was done by the high winds as much as a mile or two from the main path. Temperature was much higher near the twister as it went by. I talked with several people who were very close or in the path and many noticed the apparent increase in the heat."

The occurrence of a tornado over the rugged terrain of West Virginia is very rare. Of the six tornadoes of record, three occurred in the immediate Ohio Valley and one in the rolling country of Berkely County. The times and places of previous tornadoes follow:

August —, 1875: South of Rusk, Ritchie County. Path 100 feet wide and several miles in length. No deaths or injuries. Extensive damage to farm buildings, crops and timber.

April 16, 1880: Near Wheeling, Ohio County. Mentioned in Finley's "Character of 600 Tornadoes". No other information at hand.

May 30, 1889: Near Falling Waters, Berkely County, at 3:00 p. m. Path 100 feet wide and three miles long. Two persons were killed and two injured. Property damage amounted to $3,000.

July 22, 1907: Parkersburg, Wood County, at 5:25 p. m. The path was 300 feet wide and one and one-half miles long. No deaths or injuries occurred. Property damage, $5,000.

May 24, 1925: Northern portion of Upshur County to Pierce, Tucker County. Path one-fourth to one-half mile wide and about 40 miles long. Three deaths, due to upsetting of a coal tipple at Pierce. Property damage, $20,000.

August 14, 1926: At McMechen, Marshall County. Path about three miles long (Shadyside, Ohio, to McMechen); width not given. No deaths or injuries. Property damage, $10,000

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CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

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VOL. LII AUGUST 1944 No. 8

GENERAL SUMMARY

The temperature during the month averaged slightly above normal. High maximum temperatures prevailed until the 25th when reaction to cooler weather occurred, giving most stations their lowest temperature on the 25th. The only cool period was from the 25th until the end of the month.

Rainfall averaged 1.15 inches below normal and it was the driest August since 1939. In the northeastern panhandle division, it was the driest since 1929. The northeastern panhandle had 53 percent of the normal amount of precipitation, while the remainder of the State averaged 74 percent. The showers were well distributed throughout the month, but were in most cases immediately followed by hot, dry days which, to a large extent, resulted in little benefit to vegetation. Locally, a few places in the west-central part of the State, the top of the northern panhandle, and in the central part of the southern division had above normal precipitation. Quite a number of places in the eastern counties had minus departures of over two inches.

It was a good month for harvesting but the continued dry weather greatly lessened the yield of hay and corn, the main feed crops of the State. With the exception of the central part of the northern division and in a few localities favored by local showers, the second crop from the meadows was ruined. Many fields of corn were burned brown, especially the hillside stands. Most gardens were adversely affected. The long continued dry weather made peaches and apples mature much undersized. At the close of the month, farm water supply was very short in many localities in the eastern and southern counties.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 72.2°, or 0.4° above the normal. The mean for the northeastern panhandle division was 73.1°; for the northern division, 72.0°; and for the southern division, 72.0°. The highest monthly mean was 77.4° at Huntington and the lowest, 62.2° at Cranberry Glades. The highest temperature was 105° at Great Cacapon on the 13th, and the lowest, 32° at Cranberry Glades on the 25th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 2.96 inches, or 1.15 inches below normal. In the northeastern panhandle division the average was 2.01 inches; in the northern division, 3.14 inches; and in the southern division, 3.09 inches. The greatest monthly precipitation was 7.41 inches at New Cumberland and the least, 0.80 inch at Hamlin. The greatest amount in any 24 consecutive hours was 2.55 inches at New Cumberland on the 16th. The average number of days with 0.01 inch or more of precipitation was 10.

ERRATA

June, 1944: Morgantown, temperature departure +2.7; Dam 20, precipitation departure −1.43; Romney, precipitation departure −1.33; Arbovale, precipitation departure +0.75; Clay, precipitation departure −2.46.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	5	8	..	..	..	3	13	10	12	..	3	..	5	1	1	1	3	10	8	2	3	12	4	21	5	3	1	1	17	4
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	1	..	..	..	..	..	..	2	..	..	1	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	1	..
Halos, lunar	2	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	10	1	1	3	2	11	11	..	..	..	..	..	13	11	6	16	8	2	..	..	3	7	12	2	..	..	..	..	..	..	9

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.30	19	29.76	12	6.3	32	w.	21	87	52	63	66	10
Columbus, Ohio	30.31	19	29.73	17	8.6	31	sw.	28	84	50	64	76	6
Elkins	30.39	20	29.77	17	4.4	18	s.	13	94	56	75	51	51
Huntington Airp't.	30.31	19	29.78	6	.....	15	sw.	31	88	49	62	....	10
Parkersburg	30.31	19	29.76	17	5.4	25	nw.	16	83	47	60	58	6
Pittsburgh, Pa	30.33	27	29.75	17	8.3	45	s.	13	83	53	63	57	6

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	69.8	..	..	3.48	6.10	4.73	5.48	0.0	7	..	..	..
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	..	..	..	..
1893	70.8	98	41	3.43	3.17	3.84	3.38	.0	..	..	..	..
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	..	..	..	..
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	6	14	12	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	8	15	11	5
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	7	15	12	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	9	13	14	4
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	12	12	12	7
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	6	15	11	5
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	8	17	10	4
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	12	10	13	8
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	7	15	13	3
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	8	12	13	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	15	10	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	9	14	11	6
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	13	10	13	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	11	13	10	8
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	7	15	10	6
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	6	16	10	5
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	5	17	10	4
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	12	13	10	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	11	10	13	8
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	6	19	7	5
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	10	15	9	7
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	14	10	11	10
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	10	14	9	8
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	8	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	9	17	8	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	11	16	9	6
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	14	9	10	12
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	9	16	8	7
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	14	9	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	10	15	8	8
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	9	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	7	18	8	5
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	13	13	7	11
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	11	12	9	10
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	14	11	8	12
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	7	16	8	7
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	8	15	8	8
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	14	11	9	11
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	6	20	7	4
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	13	10	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	11	14	9	8
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	12	12	12	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	11	14	10	7
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	13	12	10	9
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	18	9	4
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	8	15	11	5
1941	71.2	102	32	4.63	5.59	3.69	4.80	.0	11	11	11	9
1942	71.1	100	**30**	7.44	7.24	7.08	7.22	.0	9	17	9	5
1943	72.3	105	38	2.26	5.15	3.13	3.95	.0	14	9	12	10
1944	72.2	105	32	2.01	3.14	3.09	2.96	.0	9	16	9	6
Period	71.8	112	30	3.82	4.23	4.16	4.11	.0	10	14	10	7

Climatological Data for August 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brandywine	Pendleton	1,586	28	69.7	−0.2	95	5†	36	25	2.26	−1.32	0.55	18	0	10	22	2	7	sw.	E. L. Keister
Great Cacapon	Morgan	500	....	77.0	.....	105	13	39	26	1.70	.....	0.91	2	0	5	22	2	7	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	1.73	−2.26	1.00	3	0	8	...	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	75.4	.....	104	12†	44	24	1.56	.....	0.50	22	0	6	21	7	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	75.2	+0.9	102	13	43	26	1.68	−2.07	0.75	2	0	7	13	13	5	s.	University Exper. Station
Martinsburg	Berkeley	435	52	74.1	+1.1	101	13	45	25†	2.54	−1.52	0.89	31	0	9	16	9	6	sc.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	70.8	−0.5	102	11†	37	26	2.36	−0.63	1.12	31	0	9	8	11	12	w.	R. E. Saville
Piedmont	Mineral	1,053	30	72.6	+2.1	99	12†	43	25†	1.38	−2.21	0.33	13†	0	9	14	11	6	w.	C. A. Suter, Jr.
Romney	Hampshire	824	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	1.79	−2.79	0.47	18	0	13	6	9	16	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	26	71.8	+2.3	101	12	39	25	2.39	−1.24	0.77	2	0	12	.....	.....	.....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	4.14	−0.34	1.17	22	0	11	3	22	6	.....	L. Esle Bond
Benson	Harrison	1,080	19	72.2	+1.5	97	13	43	25	4.15	−0.30	0.72	17	0	13	14	13	4	.....	R. D. Marts
Bens Run	Pleasants	652	43	74.9	+1.3	98	11†	50	25†	3.65	−0.59	0.88	22	0	14	25	4	2	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	67.8	.....	93	13	33	24†	2.41	.....	0.46	28	0	9	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	74.0	+1.8	100	12†	44	25†	1.51	−2.76	0.37	18	0	9	16	9	6	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	69.0	−0.9	92	13	42	25	3.48	−0.61	0.82	31	0	9	19	10	2	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	73.3	+0.8	98	13†	45	20†	3.44	−0.43	0.95	17	0	11	9	17	5	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	76.3	+4.3	96	12	46	25†	2.56	−1.92	0.86	17	0	10	19	6	6	se.	Clarksburg Water Board
Creston	Wirt	640	43	74.8	+1.7	99	11†	48	20†	4.19	+0.33	1.30	23	0	11	11	16	4	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	72.5	.....	97	5	43	27	2.33	−1.73	0.69	17	0	10	21	5	5	s.	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	1.63	−1.74	0.58	17	0	7	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	2.56	−1.57	1.53	7	0	7	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.71	−0.95	0.65	18†	0	10	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	3.45	−0.34	1.44	17	0	9	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	4.69	+0.69	0.82	18	0	10	.....	.....	.....	.....	U. S. Weather Bureau
Elkins	Randolph	1,927	45	68.4	−0.7	91	13	44	25	3.03	−0.83	1.68	22	0	13	7	10	14	se.	J. C. Robinson
Fairmont	Marion	883	52	74.0	+1.3	97	12†	47	26	3.02	−0.98	2.08	7	0	8	17	8	6	.....	Howard R. Brannon
Glenville	Gilmer	738	56	75.6	+1.7	100	12†	49	26	4.54	+0.31	1.87	17	0	9	13	14	4	w.	L. W. Clayton
Grafton	Taylor	1,050	50	70.2	−1.2	95	12†	40	25	2.67	−1.04	0.68	14	0	13	21	5	5	.....	U. S. Airway Station
Harrison County Airport	Harrison	1,188	4	71.8	.....	95	12	43	25	1.73	.....	0.56	18	0	11	13	6	12	se.	L. G. McIntyre
Hastings	Wetzel	809	9.	.....	.....	.....	.....	.....	.....	2.70	.....	0.99	16	0	12	12	16	3	w.	Mrs. U. I. Jenkins
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	2.39	−2.46	0.64	17	0	12	9	12	10	.....	James A. Morgan
Mannington, 1½ mi. NW.	Marion	974	42	70.6	+0.4	95	12	40	26	2.62	−1.46	1.53	16	0	13	13	10	8	sw.	L. A. Crumrine
Middlebourne, 2¾ mi. SE.	Tyler	750	3	72.9	.....	100	12†	41	26	1.38	.....	0.50	*18	0	9	16	9	6	sw.	State Dairy Farm
Morgantown, 2 miles N	Monongalia	1,300	68	72.8	+0.8	93	12†	44	25	1.51	−2.50	0.50	17	0	10	17	11	3	s.	C. O. Valentine
New Cumberland	Hancock	671	49	72.8	+2.0	99	13	44	26†	7.41	+4.02	2.55	16	0	13	20	5	6	se.	Dr. Z. W. Ankrom
New Martinsville	Wetzel	637	51	74.8	+1.1	100	12	48	26	2.54	−1.35	0.47	23	0	9	20	10	1	sw.	U. S. Weather Bureau
Parkersburg	Wood	615	59	75.5	+1.6	99	12	49	25	2.97	−0.54	0.99	17	0	12	12	14	5	se.	D. A. Oliver
Parsons	Tucker	1,649	45	70.0	+0.6	95	13	42	25	2.93	−1.12	0.93	14	0	15	.....	.....	.....	.....	Mrs. Maxine Leach
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	3.16	−1.08	1.05	23	0	9	...	.....	.....	.....	Dr. J. L. Cunningham
Pickens	Randolph	2,760	54	64.2	−2.3	87	9	36	25	5.03	−0.44	1.52	6	0	9	20	8	3	w.	Miss Mary A. Conrad
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	3.76	−0.58	1.14	13	0	11	19	5	7	.....	W. H. Bolyard
Rowlesburg	Preston	1,375	59	72.6	.....	97	13†	46	25†	2.29	−2.24	0.53	22	0	11	.....	.....	.....	w.	Edward Hughes
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	2.12	−1.97	0.60	18	0	10	.....	.....	.....	.....	Hopemont Sanitarium
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. Sleeman
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	2.56	−2.53	1.12	18	0	7	.....	.....	.....	.....	Roscoe H. Jackson
Valley Chapel	Lewis	1,011	20	74.2	+1.7	99	13†	45	25	3.56	−0.60	1.21	17	0	12	16	11	4	w.	George P. Pfister
Wellsburg, 3 miles NE	Brooke	668	51	72.2	+1.9	99	12†	40	26	3.46	−0.10	0.86	6	0	8	16	10	5	.....	Scotland G. Highland
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	2.37	−2.25	0.50	1	0	11	.....	.....	.....	.....	J. Arthur Henry
Weston	Lewis	1,026	53	75.2	+2.5	101	13	49	25	2.54	−1.16	0.81	14	0	8	.....	.....	.....	.....	Lockmaster
Wheeling (Dam 12)	Ohio	659	60	74.4	+1.6	98	12†	49	25†	3.14	−0.41	0.99	17	0	9	17	10	4	sw.	
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	3.06	−1.25	0.52	13	0	15	9	15	7	w.	H. S. Sutton
Athens	Mercer	2,600	4	70.5	.....	89	5†	39	25	1.99	.....	0.46	15	0	11	18	5	8	nw.	Concord College
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Post-Herald
Bluefield	Mercer	2,558	49	70.8	+0.3	89	13	46	25	3.18	−0.43	1.13	14	0	10	20	6	5	.....	Norfolk & Western Ry.
Charleston	Kanawha	602	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charleston (Airport)	Kanawha	606	6	74.8	.....	99	3†	49	25†	2.31	.....	0.98	17	0	10	7	11	13	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	3.20	−1.29	1.02	18	0	11	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	62.2	.....	86	12†	32	25	5.50	.....	2.18	5	0	15	10	12	9	w.	Department of Justice
Flat Top	Mercer	3,270	6	65.6	.....	88	12†	38	25	4.37	.....	0.98	31	0	15	8	14	9	nw.	U. S. Airway Station
Gary	McDowell	1,426	27	71.5	−0.5	95	14	45	25	2.41	−1.70	0.93	18	0	10	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	75.6	.....	100	2	48	25	1.89	.....	0.63	17	0	11	8	7	16	w.	State Forest Nursery
Hamlin	Lincoln	641	1	73.8	.....	100	13†	41	25	0.80	.....	0.25	28	0	5	7	18	6	w.	W. Va. Water Service Co.
Hinton	Summers	1,431	55	73.7	+0.4	100	5	45	27	2.53	−1.63	1.12	6	0	7	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	77.4	+2.6	100	10	52	25	2.28	−1.42	1.16	17	0	11	9	10	12	sw.	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	6.40	+1.57	2.29	18	0	10	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	70.0	+0.6	97	3	36	25	2.62	−1.33	0.77	7	0	10	15	14	2	w.	James B. Stuart
Logan	Logan	700	31	75.7	+0.7	100	6†	52	25	5.08	+0.59	2.27	15	0	9	6	11	14	.....	Paul A. Simonds
London Locks	Kanawha	623	9	75.8	.....	98	3†	52	25†	2.96	.....	0.92	18	0	7	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	23	73.8	−0.6	102	4†	47	25†	2.69	−1.13	1.16	18	0	6	15	4	12	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	2	68.9	.....	92	13	41	25†	3.88	.....	1.33	17	0	6	15	4	12	.....	M. H. Martin
Pineville	Wyoming	1,350	2	74.0	.....	99	13	46	25	3.74	.....	1.53	14	0	10	21	8	2	.....	Charles Dameron
Point Pleasant	Mason	595	54	76.8	+2.1	100	3†	53	20†	5.90	+2.69	1.32	6†	0	12	17	4	10	nw.	E. C. Winger
Rainelle	Greenbrier	2,424	13	68.9	+0.6	96	3	41	20	3.77	−2.01	0.77	18	0	13	12	10	9	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	73.4	+0.5	97	10	46	25	3.99	+0.64	1.74	17	0	10	6	9	16	sw.	Lockmaster
Richwood	Nicholas	2,193	13	70.5	+0.1	94	4	39	25	3.19	−1.97	1.33	18	0	6	20	3	8	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	2	74.9	.....	102	3	47	25	5.48	....	1.57	18	0	9	10	11	10	sw.	Pfost Greenhouses
Ryan	Roane	700	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	65.2	.....	90	3	35	25	3.32	..	1.20	13	0	9	19	7	5	w.	Supt., State Forest
Spencer	Roane	789	45	74.1	+1.8	100	13	46	25	4.13	+0.16	1.69	17	0	11	11	15	5	.....	A. M. McKown
Summersville	Nicholas	1,900	8	68.2	.....	93	3†	39	25	3.41	.....	1.43	18	0	10	7	17	7	.....	A. E. Dorsey
Sutton	Braxton	850	41	75.2	+2.1	100	3†	47	27	4.78	+0.53	1.45	6	0	13	18	13	0	.....	C. B. Eakle
Union	Monroe	2,200	40	70.1	−0.1	96	5†	37	25	1.18	−2.75	0.33	2	0	9	13	0	18	.....	C. B. King
Webster Springs	Webster	1,500	12	71.8	.....	94	3	46	25	3.35	.....	1.57	5	0	5	13	15	3	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	73.6	+3.3	98	4	41	25	2.84	−0.75	1.26	8	0	9	11	18	2	w.	Ashford General Hospital
Williamson	Mingo	673	43	75.5	+0.7	98	12	52	25	3.43	−0.56	1.13	15	0	10	9	16	6	nw.	J. E. Dotson
Winfield Locks	Putnam	571	6	74.9	.....	99	3	49	26	1.58	.....	0.63	15	0	9	13	9	9	sw.	Lockmaster
State averages and extremes				72.2	+0.4	105	13	32	25	2.96	−1.15	2.55	16	0	10	14	10	7	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S.

Daily Precipitation for August 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard [2]	Potomac																																
Braudywine	do	T.	.24			.10	.15	T.						.50		.30		.50	.05				.17	.20				.05				2.26
Brushy Run [2]	do		.25	.10		T.	.16	.04	.14						.10	.35	.10		.15				.04	.92	.70			.04	T.			3.09
Harpers Ferry [2]	do		.06	1.00				.05											.05	.02			.33	.02	.20							1.73
Inwood	do		.43	T.														.20					.50	*	.25			.18				1.56
Kearneysville	do		.75				.12								.05	.65		.03		.03			.38		.17			.20				1.68
Knobly Mountain [2]†	do	.07		.14				.30	T.										.15				.07		.16				.17			1.76
Martinsburg [2]	do		.65			T.	.09	T.						T.		T.	.25		.01			.26	.02	.17							2.54
McNeill †	do	T.	.11				.10	.06						.29			.04	T.	.27				.25	T.				.12			1.12	2.36
Petersburg	do		.10		.03		.19	.06								.33	.15		.24				.36		.30				.06		.12	1.94
Piedmont	do		.01				.16							.33		.02		T.	.03				.33		.23			.17	.10			1.38
Romney	do																																
Spruce Knob [2]†	do		T.	.22		T.	.24	.14	1.00																								
Stony River Dam [2] †	do		.12	.09			.06	.09	.20					.08		.28		.47					.17	.21	.48			.17	.10			3.26
Wardensville [2]	do		.05	.72				.11	.30						.20			.31	.04				.04	.10	.07			.04	.15			1.79
Northern Division																							.15	.25	.13			.11	.02			2.39
Aberdeen†	West Fork	.02				T.	.38	T.	T.																								
Belington [2]	Tygart	T.		T.		.06	.15	.06	.57						.99		.40	.59					.25	.92	.14			.03	.11		.31	4.14
Benson †	West Fork	.34	.58				.05	.65							.04	T.	T.	1.41	.01				.02	.64	.06			.06	.10	T.		3.18
Bens Run	Ohio	.27					.07							.45			.72	.55					.06	.05	.40			.10	.05		.15	4.15
Big Skin Creek†	West Fork	.10					.38							.05	.11	.05	.05	.35	.54			.16	.88	.75				.23	.01		.13	3.65
Brandonville [2]	Cheat		.17		T.		.38	T.	.24					1.17	.01	.14	.25	.20						.31	.01						.03	2.60
Brownsville †	West Fork						.12							T.			.17	.34					.18	.46				.18	.29		T.	2.41
Buckhannon	Tygart	T.				.05	.25	T.						.11	.07		.35	.37					.07		.20			.03			.19	1.51
Cairo	Litl.Kanawha	.55	.04											.47			.57	.50					.17	.60				.05			.82	3.48
Clarksburg [2]	West Fork		.34				.08	.16	.19					.09	.38	.10	.95	.80					.14	.03	.16			.20				3.44
Crawford	do	.10					.31							.10			.86	.45					.22		.04				.12			2.56
Creston [2]	Litl.Kanawha	.06	.10			.07	.05	T.						T.		.14	.26						1.22	.15	.08			.03			.84	3.13
Dailey [2]†	Tygart						.41	.11	T.							.30	T.	1.12	.55					1.30	.30			.02	.32			4.19
Dam 10, Mon. R. [2]†	Monongahela	.31				.03	.04	.38								T.		.06	.44				.25	1.54	.84				.06			3.71
Dam 13, O. R. [2]†	Ohio														.04			.69	.02				T.	.01	.51			T.	.30			2.33
Dam 15, Mon. R. [2]†	Monongahela						T.	1.51	.02							.02		.58	.28				.16	.03	.09			T.	.47			1.63
Dam 19, O. R. [2]†	Ohio		.01				.11	T.							.07			.18					.16		.46				.16			2.56
Dam 20, O. R. [2]†	do		T.				.10								.40			.35	.65				.06	.30	.65			.15	.03			2.71
Elizabeth (Dam 3) [2]	Litl.Kanawha		.70				.05								.10	.12		1.44	.30				.30	.02	.95			.12				3.45
Elk †	West Fork														.32	.55		.70	.82				.80	.13	.43			.19				4.69
Elkins [1] †	Tygart	T.	T.		.22	T.	.19	T.									.15	.53					1.02	.18				.28				2.65
Fairmont [2]	Monongahela		T		T		.05	2.00	.08					T.	.09	.02	.02	.48	.02				1.68	.05	.01		T.	.08	.01		.16	3.03
Glenville [2]	Litl.Kanawha	.70	.53				.21								.12			.07					.21		.30				.19			3.02
Grafton	Tygart						.08	.13	.27						.06	T.		1.87	.46				T.	.48	.11			.12				4.54
Hackers Creek †	West Fork	.41				.05		.15							.68	.63	.06	.22	.20				.01		.06			.11	.21	.01		2.67
Hall [2]	Tygart						.15	T.	.11						.30			.96	.31				.28		.18			.10			.06	2.80
Harrison Co. Airport [2]	West Fork	.07					.16	T.						.39			.15	.54	.02				.13	.09				.08	.01		.09	1.73
Hastings	Ohio						.04								.08	.11	.99	.16	.45			.02	.03		.18			.20	.02		.12	2.70
Horner	West Fork						.15							2.00		.15	.30	.35					.10		.20			.10			.10	3.45
Ireland	do						1.20										.15	.50						.65	T.				T.		1.90	4.40
Jane Lew	do	.21						.01		T.					.08		.64	.32			.02	.42	.51	.04		.02	T.		.04	.08	2.39
Kumbrabow St. For. †	[3]Tygart					.13	1.19	1.03								.54	.05	.50				.30	.21				.94	.01		.06	4.96
Manningtou	Monongahela	.12	T.			.01	.03	.04					.02	.12		1.53	T.	.13				.01	.21	T.			.21	.05		.14	2.62
Middlebourne	Middle Is. Creek		.11				.02								.08		.32	.50				T.	.10	.05			.03	.17			1.38
Midvale [2]†	Tygart					.16	.32								.45	.13	.12	1.19				.11	.93	.07				.08			3.56
Morgantown	Monongahela	.25				.13	.15										.50	.01	.02				T.	.25			.13	.05			1.51
Mt. Clare	West Fork	.15				.04	.02						.13		.02		.66	1.00				.22						.36		.07	2.65
New Cumberland	Ohio	.07				1.78	.08								.01		2.55	.05	.25		.10	.62	.97				.49	.01		.43	7.41
New Martinsville	do	T.					.03	T.						.27	.13	.24	T.	.45	T.		T.	.44	.47				.35	.16	T.	T.	2.54
Parkersburg [1]†	do	.02				T.	.10							.12	T.	.54	.55	.89	.02		.26	.16	.16			T.	.14			.01	2.97
Parsons	Cheat	.01				T.	.10	.09	.01					.02	.91	.11		.30	.58			.16	.01			.05	.16	.02		.40	2.93
Philippi [2]	Tygart	.07					.15	T.	.60							.49	T.	.09	.44			T.	1.05	T.				.26	.01		3 16	
Pickens	do					.08	1.44										.31	.12	.65				.65	1.02			.15			.61	5.03
Roanoke	West Fork						.39	.40						1.14		.25	.40	.24				.30	.01	.30			.03	T.		.30	3.76
Rockford †	do	.33				T.	.11	T.							.49	.09	.65	.40	.37		.40	.05		.20			.11	.07		.09	3.36
Rowlesburg [2]	Cheat	T.	T.			T.	T.	.04	.20					T.	.42	.20	.10	.31				.45	.08	.20			.09	.20	T.		2.29
Saint Marys [2]	Ohio		.08				.03							.11	.33		.45	.60				.14	.10				.18	.10			2.12
Salem	West Fork	.25						1.05						1.53		1.05	.08	.44				.02					.15			T.	4.57
Shinnston	do						.10							.02		.60	.20					.03	.05					.23		.04	1.27
Terra Alta †‡	Cheat							.83										1.12						.26	.04			T.	.26	.05		2.56
Thomas [2]	do						.17	.07						.70			1.21	.57				.09	.18	.18			.10	.11		.08	3.56
Valley Chapel	West Fork	.10												.28			.28	.48	.03			.05	.05	.24				.44			2.84
Valley Head [2]	Tygart			T.		.14	.78	.07																								
Vandalia †	West Fork						.41						.58			.29	.12	.21			.63		.13				.01		1.11	3.52
Wellsburg (near)	Ohio						.86						T.	.07		.18	.22	.15				.80	.75				.43	T.			3.46
West Milford	West Fork	.50					.05	.22						.17			.30	.38				.15		.26			.08	.11		.15	2.37
Weston [2]	do						.10	T.	T.					.81	.06		.24	.64					.48	.11				.10			2.54
Wheeling (Dam 12) [2]	Ohio		T.			.02			T.						.07	.01	.99	.20				.71		.82			.01	.31			3.14
Southern Division																																	
Arbovale [2]	Greenbrier	.05	.01			.14	.27	.50	.03																								
Athens	New	.30		.01		T.	.21	T.						.52	.49	.01	.28	.35				.04	.24	.08			T.	.05			3.06
Beckley	New													.24	.22		.21	.18					.03		.24	T.	.05			.30	1.99
Bluefield	New	.06		.16			.12							1.13	.37	.12	T.	.62															
Camden-on-Gauley [2]	Gauley						.32		.02					.36			.44	1.18				.08	.03	.04			.32	.04			3.18	
Charleston	Gr. Kanawha																												.36			2.83	
Charleston (Airport) [4]	do	T.		.01	T	T.	.22	.47					T.	.01	T.	.01	.98	T.			.15	.15		T.		T.	.15			.16	2.31	
Clay [2]	Elk		.05				.72		.24					.67	.02		.22	1.02	T.			.06	.08	.04			T.	.08			3.20	
Flat Top [4]	New	.29		.42		.09	.03	.11					.01	T.	.52		.78	.08				.05	.55			.24	.06	.16		.98	4.37	
Gary [2]	Big Sandy					T.	.80	.14	T.					.01	.01		.10	.93	.01				T.			.24	.16	.01	T.		2.41	
Greenbottom [2]†	Ohio						.02	.08						.23	.15	.07	.63	.12				.13		.03			.21			.22	1.89	
Hinton [2]	New		T.			1.12	T.									.28	.41	.36				.04	.19					.13			2.53	
Hogsett [2]	Ohio						.05	.12								T.	1.36	.33					.03	.01			.20	.01			2.11	
Huntington	do	.03					.09	.14						.25	T		1.16	.15					.03	T.	.04	.08	.14			.17	2.28	
Kayford [2]	Gr. Kanawha								.55					2.15	.28	.90	.05	2.29				T.		.01	.01	.09	.07			6.40	
Lewisburg	Greenbrier						.74	.77							.06	.25	.07	.16				.18	.15					.08			2.62	
Logan [2]	Guyandot							.10	.04					.80	2.27	.48		.90				T.	.16			.13	.20	T.			5.08	
London Locks [2]†	Gr. Kanawha		.02				.21	T.	.53					.47	.42		.39	.92													2.96	
Madison [2]	Coal		.58				.02	.56					.06	.05	.08	.01		1.16					.01			.06	.09	.01			2.69	
Oak Hill	New						.15							1.23	.23	.74		1.33									.20				3.88	
Pineville	Guyandot						.08	.11	.13					1.53		.69		.30				.46				.28	.14	.02			3.74	
Point Pleasant [2]	Ohio	T.					.02	1.32					.04	.49	.27	.70	1.24	1.32			T.	.04	.13	.15			.18		T.		5.90	
Princeton [2]	New	.22					.18							.33	T.	.15	T.	.50													1.57	
Rainelle	Greenbrier	.01			.46	.30							.54	T.	.02	.08	.49	.77	T.			.12	.06	T.		.14	.03	.02		.75	3.77	
Ravenswood [2]	Ohio	.02	.11			.10									T.		1.74	1.00				.07	.02	.71			.20	.02			3.99	
Richwood [2]	Gauley				.19	.84		.41									.32	1.33										.10			3.19	

Continued on next page.

Daily Precipitation for August 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio						.15	1.01							T.	.53	.31	.90	1.57				.24	.64					.13			T.	5.48
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier		T.		.25	.78	.39	.17						1.20		.18							.14								.10	3.32
Spencer[2]	Litl.Kanawha		.35				.11	.03																					.11				
Summersville[2]	Gauley						.25		.32						.25	.25		.32	1.43				T.	.40					.07			.22	4.13
Sutton	Elk	.05				.10	1.45	.05	.52						.14	.11		.12	.98				.24		.22				.07	.12			3.41
Union[2]	New		.33			.03	.26	.02	.12															.09					.05		.75	4.78
Wayne[2]	Twelvepole				.64										.07			.44	.12					.51			.08	.37	.03				1.18
Webster Springs	Elk					1.57		T.							T.	T.		T.	1.25				.20	.23			.10			T.		2.24
White Sulp'r Spgs.	Greenbrier	.21	T.				.78	1.24	.02								.19	.05	.05					.29				.01				3.35
Williamson[2]	Big Sandy		.07		.17		.02						T.		T.	1.13	T.		.70				T.	.19	.23			.30	.60	.02		2.84
Winfield Locks[2]†	Gr. Kanawha		.02						.07							.63		.12	.26					.28	.05			.10	.05			3.43
																																	1.58

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skiu Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House.

Daily Temperatures for August 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum																																
	Minimum																																
Beckley	Maximum																																
	Minimum																																
Bluefield	Maximum	81	85	88	85	86	81	87	84	82	85	88	88	89	84	83	82	82	80	76	81	83	84	82	76	73	70	61	70	68	78	82	80.8
	Minimum	66	64	62	63	66	74	64	65	62	59	61	64	66	62	64	66	68	63	50	52	57	65	64	61	46	54	52	55	59	48	64	60.8
Brandywine	Maximum	85	82	90	94	95	84	81	84	83	90	94	95	95	92	94	91	86	84	80	84	88	83	82	80	75	74	75	70	73	82	90	85.0
	Minimum	60	61	59	60	59	64	63	64	65	68	59	57	59	60	56	60	59	52	48	40	51	61	60	40	36	41	39	49	52	39	44	54.4
Buckhannon	Maximum	86	84	88	89	84	85	84	84	85	87	90	91	92	89	87	89	82	75	74	83	85	89	81	90	69	78	78	75	70	78	81	83.3
	Minimum	48	57	56	59	63	66	65	55	53	52	52	55	62	62	52	62	62	57	46	48	64	52	53	50	42	48	49	52	56	46	49	54.6
Cairo	Maximum	93	91	93	96	95	90	95	90	92	94	97	96	98	98	94	93	93	89	82	86	89	87	79	81	75	76	80	81	77	79	84	88.5
	Minimum	63	62	60	62	67	70	67	60	56	54	54	60	64	66	65	66	65	60	48	45	57	66	64	55	45	45	47	48	59	48	52	58.1
Charleston (Airport)	Maximum	92	95	99	97	97	92	88	93	93	97	96	99	97	94	92	92	89	82	82	92	90	83	86	76	76	75	72	78	76	89	88	88.6
	Minimum	66	62	65	68	69	70	65	63	60	60	64	65	67	66	66	69	67	55	51	51	61	69	65	50	49	49	59	58	53	52	56	61.0
Clarksburg[3]	Maximum	88	85	90	94	92	92	86	85	88	94	93	96	95	92	93	92	78	78	77	87	85	77	83	72	74	78	78	73	72	82	86	85.0
	Minimum	62	61	61	61	62	69	65	60	57	56	56	60	62	65	64	65	66	62	50	48	59	59	63	52	46	46	47	46	58	48	49	57.6
Elkius	Maximum	86	79	89	90	87	84	85	79	85	89	90	91	91	89	87	87	76	73	74	84	82	71	81	67	68	71	72	67	66	79	81	80.6
	Minimum	63	60	58	60	65	66	64	58	53	54	58	61	61	61	60	62	65	58	49	45	55	62	59	48	44	44	45	59	53	49	48	56.2
Fairmont[3]	Maximum	91	88	93	96	94	92	86	88	89	93	96	97	97	95	95	92	83	83	82	90	89	81	89	76	79	79	82	73	75	85	85	87.5
	Minimum	67	63	63	63	70	69	66	61	59	57	61	67	65	67	67	68	67	63	52	50	57	68	64	54	48	47	50	58	59	50	53	60.4
Flat Top	Maximum	73	80	85	85	87	79	81	76	78	83	85	88	88	84	85	82	76	68	73	79	82	73	78	66	68	56	56	66	66	75	78	76.7
	Minimum	62	57	55	64	66	61	62	58	56	48	55	61	59	56	58	64	63	48	49	49	51	62	57	41	38	47	47	53	47	41	56	54.5
Gary[3]	Maximum	85	89	90	92	94	86	89	87	88	91	91	95	92	88	89	87	86	77	81	87	88	80	85	71	77	66	67	75	72	85	90	84.5
	Minimum	59	63	60	63	63	67	67	61	59	56	57	61	63	62	63	65	66	66	51	49	56	57	65	64	45	46	53	52	55	51	50	58.5
Glenville	Maximum	92	92	98	99	97	94	95	95	95	98	99	100	99	100	98	94	83	85	84	90	91	89	86	91	79	80	85	84	78	88	89	90.2
	Miuimum	66	64	63	65	69	72	68	63	60	59	61	64	63	67	66	65	67	64	53	50	59	68	67	56	50	49	50	62	58	52	54	61.1
Grafton	Maximum	89	88	90	93	93	88	86	88	88	90	93	95	95	91	90	92	86	79	77	84	86	86	85	85	75	77	81	80	73	79	83	86.0
	Minimum	61	57	56	57	64	63	62	55	52	50	53	60	58	59	59	61	62	58	46	42	52	64	58	49	40	43	43	50	55	45	52	54.4
Huntington	Maximum	93	97	99	96	97	93	89	94	96	100	99	99	99	90	92	92	90	85	84	91	90	85	89	83	80	73	67	77	80	89	84	89.4
	Minimum	70	66	69	73	73	74	69	66	64	62	70	67	71	71	68	72	85	64	54	53	65	71	69	63	52	53	60	60	62	54	61	65.5
Lewisburg	Maximum	83	89	97	95	93	84	88	82	84	89	91	93	92	90	90	88	84	77	82	86	88	81	85	75	76	69	72	66	73	83	87	84.3
	Minimum	62	63	52	62	60	67	64	61	53	52	54	58	59	59	62	65	64	63	43	44	51	64	59	56	36	48	48	57	54	41	48	55.8
Logan[3]	Maximum	90	97	96	99	100	90	94	94	96	98	96	100	95	92	91	90	89	85	84	91	90	85	87	79	80	74	70	78	78	87	89	89.2
	Minimum	62	65	66	66	68	71	70	66	62	60	60	64	65	65	67	69	70	65	58	54	54	64	67	66	66	52	54	55	55	61	53	55	62.2
Madison[3]	Maximum	89	90	100	102	102	96	88	88	89	89	91	94	96	91	92	88	88	81	82	87	86	89	85	77	78	70	68	78	76	87	89	87.3
	Minimum	62	63	63	62	67	70	66	64	59	59	57	63	64	63	65	67	67	62	54	56	56	67	65	62	47	47	51	55	59	52	54	60.3
Mannington	Maximum	85	87	93	94	91	89	84	88	89	92	92	95	94	91	92	88	80	79	79	87	84	78	83	73	73	77	78	73	73	82	82	84.7
	Minimum	65	60	60	59	66	67	64	58	54	51	55	61	61	65	64	64	66	59	48	45	55	65	62	51	42	40	44	53	55	47	48	56.6
Martinsburg[3]	Maximum	89	75	93	97	97	86	81	84	86	94	98	99	101	94	96	92	93	85	83	85	91	79	86	74	74	78	80	65	74	86	85	86.5
	Minimum	68	70	69	66	71	73	69	62	57	58	60	68	70	68	68	72	69	70	54	49	61	68	61	58	45	45	47	52	57	53	54	61.7
Morgantown	Maximum	90	84	92	91	89	88	88	88	89	91	92	93	93	91	90	86	80	80	77	85	84	79	84	75	74	79	79	76	72	82	86	84.7
	Minimum	68	65	62	64	70	66	64	61	61	59	62	70	65	67	67	68	65	60	50	52	65	64	64	52	44	46	52	58	59	54	62	60.8
New Martinsville	Maximum	92	90	98	98	95	96	90	93	95	97	98	100	99	97	97	94	83	82	80	90	88	84	84	77	75	80	81	77	74	84	84	88.8
	Minimum	62	66	64	64	69	70	69	64	60	57	61	63	66	69	68	70	67	57	52	51	60	68	64	53	49	48	50	58	61	53	54	60.9
Parkersburg	Maximum	90	90	95	98	93	93	88	90	91	97	98	99	95	92	92	92	84	78	78	89	88	76	84	73	72	77	78	78	76	82	85	86.8
	Minimum	70	67	67	72	75	72	71	68	63	63	69	69	70	70	69	71	68	62	56	52	67	67	65	58	49	52	57	59	58	53	62	64.2
Pickens	Maximum	83	82	85	86	84	85	83	81	87	80	84	86	81	85	86	81	72	74	70	74	71	74	72	74	70	72	70	71	72	76	78	78.4
	Minimum	50	50	51	54	51	53	60	50	47	49	51	54	55	55	63	65	54	51	39	50	57	53	56	50	36	38	41	40	49	39	43	50.1
Point Pleasant	Maximum	99	94	100	97	97	97	96	94	94	98	98	100	99	93	93	90	89	84	81	89	89	88	84	84	76	75	74	73	75	86	85	89.4
	Minimum	70	68	68	71	70	74	69	65	63	62	64	67	70	70	67	71	69	63	55	53	67	69	66	57	53	54	59	58	64	55	61	64.3
Rainelle	Maximum	81	87	96	94	91	85	86	83	85	91	91	93	92	88	92	87	83	82	79	85	87	86	83	79	73	72	70	63	71	84	85	84.0
	Minimum	59	56	54	59	60	65	62	59	55	50	50	53	54	58	57	61	62	58	43	41	48	56	54	58	38	43	48	54	52	44	56	53.8
Romney	Maximum																																
	Minimum																																
Spencer[3]	Maximum	92	91	98	98	95	95	90	93	93	97	99	99	100	93	94	90	85	81	81	89	88	76	83	76	75	76	76	76	75	85	85	87.9
	Minimum	63	62	61	65	69	71	66	60	59	61	62	64	63	67	63	65	66	62	50	47	62	68	63	57	46	48	52	58	58	49	63	60.3
Sutton	Maximum	98	92	100	100	97	97	96	96	91	92	95	97	97	96	96	95	95	91	85	89	89	88	86	86	80	80	79	79	77	85	85	90.6
	Minimum	64	59	61	64	65	70	70	68	59	58	59	65	58	65	66	65	66	63	53	48	57	65	66	58	48	49	47	61	59	49	52	59.9
Wardensville[3]	Maximum	91	74	92	98	97	86	84	84	87	94	100	101	99	96	99	96	91	84	81	88	93	80	86	75	76	79	81	66	77	87	90	87.5
	Minimum	65	63	67	61	66	68	55	58	52	50	54	62	63	61	61	65	64	66	47	42	54	65	58	57	39	41	41	45	53	45	47	56.0
Weston	Maximum	94	90	98	99	90	95	90	94	95	99	100	100	101	95	96	94	81	84	84	92	90	81	88	78	79	82	85	72	74	88	89	89.6
	Minimum	65	61	60	63	70	70	68	60	58	56	59	65	65	66	67	68	68	64	52	50	60	69	65	56	49	50	55	65	60	50	53	60.9
Wheeling[3]	Maximum	94	90	95	96	94	92	89	89	94	97	96	98	98	95	95	91	83	80	78	89	86	84	77	74	74	80	82	79	75	85	82	87.5
	Minimum	66	66	65	67	68	70	68	63	62	60	62	66	68	75	70	71	69	59	52	52	53	67	63	53	49	49	50	51	59	55	56	61.4
Williamson[3]	Maximum	90	94	96	96	95	90	92	94	94	95	95	98	95	89	89	89	86	82	82	88	88	84	87	77	78	67	65	76	76	86	89	87.2
	Minimum	65	66	66	68	70	73	72	69	64	61	65	65	68	67	68	69	70	67	57	55	58	63	69	66	52	53	55	58	62	58	59	63.8

Daily Evaporation (inches) and Wind Movement (miles) for August 1944

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.181	.587	.177	.194	.265	.207	.156	.121	.219	.180	.233	.181	.297	.222	.201	.196	.219	.096	.228	.188	.153	.168	.052	.139	.161	.134	.113	.171	.038	.060	.121	5.658
	Wind movement	19	22	44	8	43	51	28	40	26	21	31	20	53	31	39	22	30	23	58	28	31	46	13	35	37	26	21	34	14	38	15	947
Wardensville	Evaporation	.252	.283	.016	.206	.282	.257	.097	.370	.243	.210	.270	.278	.303	.229	.301	.261	.159	.180	.264	.289	.328	.252	.057	.205	.271	.169	.189	.210	.090	.023	.235	6.779
	Wind movement	20	49	54	12	22	30	30	17	21	16	26	17	30	24	38	25	26	36	44	30	49	33	10	31	38	13	14	24	24	30	19	852

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—10-6-44—925)

551.05
UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

NOV 8 1944

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII · SEPTEMBER 1944 · No. 9

GENERAL SUMMARY

Temperatures averaged 1.3° below normal during the month but no unusually cold weather was noted. Only a few stations along the Ohio River in the southern division had plus departures. One station reported a killing frost on the 8th and five stations on the 9th.

Precipitation averaged 1.29 inches above normal. Quite an area in the north-central part of the State had rather heavy total amounts of rainfall: one station had 9.44 inches; three stations, over 8 inches and nine stations, over 7 inches. Precipitation was well distributed both as to amounts and as to days.

September was a good growing month in all localities. Harvesting was well up to normal by the middle of the month but during the latter half, rains, heavy fogs, and dews kept vegetation too wet for proper ripening. Also, the soil was so wet in many places that the winter grains were being seeded with much difficulty.

During the water year just ended, from October 1, 1943 to September 30, 1944, the precipitation averaged 93% of normal. The precipitation during the growing season averaged 102% of normal. However, the critical growing months of June, July, and August were very deficient. During these months the northeastern panhandle division averaged 63%, the northern division, 87%, and the southern division, only 62% of the normal amount of rainfall. Consequently, the major field and tree crops returned but fair yields instead of the abundance promised by the favorable weather of May.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 65.0°, or 1.3° below the normal. The mean for the northeastern panhandle division was 64.8°; for the northern division, 64.4°; and for the southern division, 65.7°. The highest monthly mean was 70.0° at Logan and the lowest, 57.3° at Cranberry Glades. The highest temperature was 96° at McNeill on the 4th, and the lowest, 26° at Cranberry Glades on the 9th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 125 stations, was 4.19 inches, or 1.29 inches above normal. In the northeastern panhandle division the average was 4.46 inches; in the northern division, 4.89 inches; and in the southern division, 3.16 inches. The greatest monthly precipitation was 9.44 inches at Glenville and the least, 1.39 inches at Kayford and Naomi. The greatest amount in any 24 consecutive hours was 3.34 inches at Wellsburg on the 1st. The average number of days with 0.01 inch or more of precipitation was 11.

ERRATA

June, 1944.—Page 22: Athens, greatest 24-hour precipitation 2.51 inches on 22d.

July, 1944.—Page 26: Hamlin, lowest temperature 46° on 31st; Madison, mean temperature 72.8°, departure —2.0°; Union, mean temperature, 70.2°, departure —1.4°. Page 28: Madison, minimum temperature 51° on 22d, mean minimum temperature 60.5°.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	8	..	2	2	6	..	16	24	16	5	4	13	17	17	16	23	5	4	3	4	6	6	4	21	33	8	..	2	7	..
Frosts, killing	..	..	..	..	..	..	..	1	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	1	1	..	2	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	..	..	..
Halos, lunar	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Thunderstorms	9	1	..	10	3	4	1	..	..	..	2	3	3	..	..	..	..	..	4	19	19	1	..	..	..	..	6	..	..	1	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.36	24	29.76	12	5.1	23	nw.	4	95	55	74	58	41
Columbus, Ohio	30.36	24	29.71	4	7.4	23	sw.	4	89	54	65	76	53
Elkins	30.42	17	29.74	5	5.1	27	nw.	4	93	63	83	57	139
Huntington Airp't.	30.34	17	29.72	4	.....	22	sw.	21	92	54	76	....	37
Parkersburg	30.36	24	29.71	4	5.0	19	nw.	27	93	57	70	39	58
Pittsburgh, Pa	30.38	17	29.70	4	8.8	22	w.	7	89	59	68	51	86

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	66.8	..	..	0.38	2.20	0.84	1.66	0.0	..	..	..	..
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	..	..	..
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	..	..	..
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	..	..	..
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	**5.96**	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	21	3.15	3.31	2.18	2.88	.0	5	17	8	5
1941	67.8	99	26	1.03	2.35	2.58	2.22	.0	7	18	9	3
1942	65.1	98	**15**	2.99	4.59	3.64	3.97	.0	11	12	10	8
1943	62.5	100	26	0.79	1.32	1.37	1.25	T.	6	16	8	6
1944	65.0	96	26	4.46	4.89	3.16	4.19	.0	11	11	9	10
Period	66.3	107	15	2.75	3.08	2.73	2.90	T.	7	15	8	7

Climatological Data for September 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	58.2	−2.7	83	4	30	26	3.73	+0.42	0.59	4	0	14	....	....	....	.....	Howard R. Fulk
Brandywine	Pendleton	1,586	28	62.4	−2.3	89	1†	31	9	5.80	+3.42	1.52	21	0	12	15	0	15	sw.	E. L. Keister
Great Cacapon	Morgan	500	....	69.6	.....	95	2	45	11†	2.68	.....	0.76	12	0	11	18	0	12	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	4.91	+2.25	1.00	22	0	13	....	....	....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	68.4	.....	95	3†	43	11	3.63	.....	0.87	13	0	12	15	6	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	67.4	−0.1	94	3	42	9†	5.18	+1.85	1.39	21	0	10	10	9	11	e.	University Exper. Station
Martinsburg	Berkeley	435	52	66.2	−0.7	91	3†	45	8†	3.72	+0.80	1.08	13	0	12	8	5	17	ne.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	64.7	−1.1	96	4	33	10	4.32	+2.04	1.10	18	0	11	5	11	14	ne.	R. E. Saville
Piedmont	Mineral	1,053	30	64.8	−0.9	89	4	41	9†	4.14	+1.73	0.76	30	0	14	12	7	11	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	6.41	+3.63	1.37	19	0	14	7	5	18	w	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	26	63.9	−0.3	94	3	38	9	5.35	+2.76	1.58	2	0	15	....	....	....	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	6.14	+2.83	1.59	28	0	14	8	13	9	w.	L. Esle Bond
Benson	Harrison	1,080	19	65.6	−1.3	90	3	39	8†	8.29	+4.66	1.58	28	0	11	9	13	8	.....	R. D. Marts
Bens Run	Pleasants	652	43	65.2	−3.2	90	3†	40	24	3.73	+1.13	1.07	30	0	7	19	8	3	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	60.6	.....	84	5	29	26	3.77	.....	0.65	12	0	13	....	....	....	.....	James J. Galloway
Brownsville	Lewis	1,032	20	66.4	−1.2	90	20	36	9	7.16	+3.41	1.67	28	0	12	12	8	10	.....	M. D. Hawkins
Buckhannon	Upshur	1,411	53	64.7	+0.2	84	4	42	10	5.56	+2.60	1.03	28	0	12	11	14	5	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	65.4	−2.7	90	20	38	8	4.74	+1.94	1.25	21	0	9	10	12	8	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	63.2	−4.3	87	4	39	8	5.08	+1.48	1.00	28	0	12	9	8	13	se.	Clarksburg Water Board
Creston	Wirt	640	43	67.0	−0.8	90	3†	41	25	5.17	+2.48	.....	.....	0	9	10	16	4	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	65.2	.....	88	4	41	25	3.15	−0.37	0.68	12	0	12	15	8	7	e.	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	1.45	−1.53	0.92	29	0	7	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	4.13	+0.94	1.04	13	0	8	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	3.84	+1.18	1.33	21	0	10	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.87	+0.28	0.95	22	0	10	....	....	....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	3.05	+0.46	1.05	22	0	9	....	....	....	.....	Lockmaster
Elkins	Randolph	1,927	45	61.6	−0.3	83	4	37	9	3.15	0.00	0.56	29	0	15	7	12	11	se.	U. S. Weather Bureau
Fairmont	Marion	883	52	66.5	−0.9	90	2‡	40	8	4.01	+1.06	0.90	13	0	11	10	9	11	w.	J. C. Robinson
Glenville	Gilmer	738	56	68.2	−0.3	91	4†	44	9†	9.44	+6.22	1.62	29	0	11	10	12	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	63.4	−0.7	86	4‡	36	8†	4.81	+2.20	1.39	29	0	13	13	9	8	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	64.2	.....	86	3†	38	26	4.56	.....	0.95	28	0	13	7	12	11	sw.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	3.15	.....	0.80	20	0	13	14	10	6	w	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	7.86	+4.62	2.41	21	0	13	....	....	....	.....	Mrs. U. I. Jenkins
Mannington, 1½ mi. NW	Marion	974	42	62.6	−2.3	86	3	35	8	3.24	−0.15	0.92	12	0	14	10	9	11	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	3	64.6	.....	90	19	36	24	2.98	....	1.05	5	0	8	12	8	10	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	68	65.2	−2.3	86	4	42	8†	3.50	+0.63	1.05	12	0	10	10	5	15	s.	State Dairy Farm
New Cumberland	Hancock	671	49	63.0	−2.5	90	3	32	24	3.96	+1.05	3.08	5	0	9	10	6	14	se.	C. O. Valentine
New Martinsville	Wetzel	637	51	66.6	−1.9	90	3	40	24	2.95	−0.08	0.72	12	0	10	14	13	3	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	66.8	−0.5	90	3	43	8	4.29	+1.53	1.06	21	0	12	10	11	9	se.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	63 6	−0.1	86	4	40	9	4.51	+1.36	1.05	30	0	16	....	....	....	.....	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	5.93	+2.63	1.51	29	0	15	....	....	....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	57.6	−4.2	80	3	32	8†	2.59	−1.51	0.61	28	0	10	15	7	8	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	6.93	+3.53	1.37	28	0	15	9	9	12	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	65.4	.....	87	2	41	22	4.56	+1.08	1.00	5†	0	12	....	....	....	w.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	2.13	−0.57	0.46	20	0	8	....	....	....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	*60.4*	*−1.4*	.....	.....	.....	.....	*4.20*	*+0.49*	.....	.....	.....	*16*	....	....	....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	..	..	.....	.....	.....	.....	5.34	+1.34	1.00	1	0	14	....	....	....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	67.6	−0.4	90	4†	40	8	7.88	+4.56	1.69	28	0	13	13	11	6	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	64.4	−0.5	91	4	31	24	4.71	+1.72	3.34	1	0	5	14	7	9	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	5.86	+2.59	1.12	30	0	12	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	67.6	+0.3	90	2‡	43	9	8.03	+5.40	1.74	29	0	13	....	....	....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	65.8	−1.6	89	4	38	24	1.92	−1.00	0.72	29	0	6	12	11	7	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	3.06	+0.53	1.27	12	0	13	13	8	9	w	H. S. Sutton
Athens	Mercer	2,600	4	64.2	....	85	4	39	27	4.64	.....	1.24	20	0	11	11	12	7	nw.	Concord College
Beckley	Raleigh	2,440	40	64.8	+0.7	87	20	36	9	.....	.....	.....	.....	.....	...	...	...	...	.....	Post-Herald
Bluefield	Mercer	2,558	49	65.2	−1.0	84	4†	41	9	3.32	+1.00	1.02	29	0	10	15	6	9	.....	Norfolk & Western Ry
Charleston	Kanawha	602	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charleston (Airport)	Kanawha	606	6	68.2	.....	92	3†	43	9	3.02	.....	0.85	12	0	9	10	10	10	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	2.96	−0.26	0.82	21	0	12	....	....	....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	57.3	.....	80	4	26	9	4.21	.....	1.25	12	0	19	9	10	11	w.	Department of Justice
Flat Top	Mercer	3,270	6	60.9	.....	81	3	35	9	3.22	.....	1.06	12	0	11	6	12	12	nw.	U. S. Airway Station
Gary	McDowell	1,426	27	66.3	−2.2	89	21	39	9†	2.19	−0.80	0.63	29	0	11	....	....	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	67.9	.....	90	3†	41	9	3.76	.....	1.22	1	0	11	7	10	13	w.	State Forest Nursery
Hamlin	Lincoln	641	1	66.4	.....	92	4	35	9	2.30	.....	0.63	27	0	9	13	9	8	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	55	67.4	−0.6	94	2	42	9†	3.33	+0.64	0.95	20	0	9	....	....	....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	69.8	+0.8	94	3†	46	9	3.85	+1.40	1.64	1	0	10	12	5	13	sw.	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	1.39	−1.99	0.55	12	0	6	....	....	....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	63.8	−0.5	87	2†	33	9	3.71	+1.02	0.90	12	0	13	12	12	6	w.	James B. Stuart
Logan	Logan	700	31	70.0	−0.4	93	3†	46	24	2.19	−0.96	0.73	12	0	9	8	20	2	.....	Paul A. Simonds
London Locks	Kanawha	623	9	69.2	....	91	4†	46	9	3.16	.....	0.79	21	0	11	....	....	....	.....	Lockmaster
Madison	Boone	675	23	67.5	−0.2	91	3	40	9	2.94	−0.52	0.73	12	0	11	8	20	2	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	2	63.3	.....	85	3	34	9	3.92	.....	1.61	20	0	13	7	7	16	.....	M. H. Martin
Pineville	Wyoming	1,350	2	68.2	.....	92	4	40	9	2.91	.....	0.74	1	0	9	17	10	3	.....	Charles Dameron
Point Pleasant	Mason	595	54	69.4	+3.5	90	3†	45	24	2.60	+0.19	0.71	28	0	9	13	0	17	w.	E. C. Winger
Rainelle	Greenbrier	2,424	13	63.3	+0.4	95	4	32	9	2.23	−0.89	0.62	20	0	14	10	9	11	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	65.9	+3.5	90	3‡	39	25	2.34	+0.04	0.62	22	0	10	15	3	12	sw.	Lockmaster
Richwood	Nicholas	2,193	13	61.8	−2.9	88	1†	32	9	3.13	+0.02	0.78	29	0	9	10	6	14	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	2	67.0	.....	96	3	40	25	4.98	.....	2.20	28	0	9	10	11	9	sw.	Pfost Greenhouses
Ryan	Roane	700	41	*64.2*	*−0.4*	.....	.....	.....	.....	*8.83*	*+0.83*	.....	.....	.....	*8*	*8*	*14*	*8*	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	60.2	.....	88	4	29	9	3.22	.....	1.29	12	0	12	18	2	10	w.	Supt., State Forest
Spencer	Roane	789	45	66.1	−0.4	90	4	40	9†	5.97	+3.09	1.48	28	0	11	10	15	5	.....	A. M. McKown
Summersville	Nicholas	1,900	8	61.4	.....	88	12	31	9	3.28	.....	0.70	13	0	9	5	13	12	.....	A. E. Dorsey
Sutton	Braxton	850	41	67.8	−0.9	91	19†	40	9	3.20	−0.15	0.85	12	0	13	17	13	0	.....	C. B. Eakle
Union	Monroe	2,200	40	63.6	−2.5	90	3†	33	9	3.01	+0.46	0.45	29	0	13	....	....	....	.....	C. B. King
Webster Springs	Webster	1,500	12	65.2	.....	86	5	38	9	2.60	.....	0.80	10	0	11	8	14	8	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	66.9	−2.8	90	3†	35	9	4.15	+1.31	1.23	13	0	14	4	16	10	w.	Ashford General Hospital
Williamson	Mingo	673	43	69.3	−0.4	90	3†	46	9	3.27	+0.28	1.10	21	0	10	13	9	8	nw.	J. E. Dotson
Winfield Locks	Putnam	571	6	68.2	.....	91	3	46	9	3.87	.....	1.55	1	0	10	11	6	13	sw.	Lockmaster
State averages and extremes		.....	....	65.0	−1.3	96	4	26	9	4.19	+1.29	3.34	1	0	11	11	9	10	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for September 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.15		.01	.58		.18						.58	*	.30	.20			.22	.14		.22							*	*	1.15		3.73
Brandywine	do	.60				T.						T.	.54	.26	.45	.05			1.00	.95	.15	1.52			.11				T.	.06	.11		5.80
Brushy Run[2]	do	.31	T.			T.		.05					.33	.52	.35	.08			.15	1.71	.18	T.	.09		.08					.14	.25		4.24
Harpers Ferry [2]	do	.65	.15					.12					.10	.98	.90	.21				.27	.05	.05	1.00										4.91
Inwood	do	.24			.47		T.						.25	.87	.36				.45	.35	.01	.15								.25	.18		3.63
Kearueysville	do	.46			.06								.29	1.25	.43				.26	.32		1.39								.22	.50		5.18
Knobly Mountain[2]†	do	.62				.07		.10					.35	.20	.38	T.			T.	1.12	.02				.10					.40	.65		4.01
Martinsburg [2]	do		T.		.25		.01					T.	.39	1.08	.26				.54	.25	.02	.30							.15	.07	.40		3.72
McNeill †	do	T.				T.	.26					T.	.65	.23	.69				1.10	.45	.09	.03							.27	.10	.45		4.32
Petersburg	do							.44					.75	.05	.50				.10	.72	.83	.38	.03		.09				.15	.10	.50		4.64
Piedmont	do	.66				.07	.03	.02					.45	.15	.48	.14			.54	.34	T.	.04							.25	.21	.76		4.14
Romney	do																																
Spruce Knob [2]†	do	1.10	.27			T.		.14					.47	.66	.30	.72			.21	1.24	.30	.27	.34		.13					.39	.27		6.81
Stony River Dam [2] †	do	1.06				.14		.37					.42	.37	.36	.06			.23	1.37	.13		.24		.18					.68	.80		6.41
Wardensville [2]	do	1.44	.14			.09		.10					.14	.47	.57	.48			.48	.85	.05	.08			.04					16	.26		5.35
Northern Division																																	
Aberdeen†	West Fork	1.05	.02		T.		.39	.03					.68	.37	.06				.02		.04	.85			.06				1.59	.08	.90		6.14
Belington [2]	Tygart	.70	.10			.19		.42					30	.04	.09	.04				T.	T.	.06	.98		.15					1.02	.56		4.65
Benson †	West Fork	1.35				.42	.50						.96	1.20							.32	.97			.04				1.58	.10	.85		8.29
Bens Run	Ohio	.39				.72							.26								T.	.82						.11	.36		1.07		3.73
Big Skin Creek†	West Fork	1.65			.20	.65	.40	.20					.06	.70	.25				.02	.45	.55	.07	.09					.02	1.28	.15	.18		6.92
Brandonville [2]	Cheat	.32			.32	.18	.60	.15					.65	.17	.18	.02			T.	.10	T.	.08	T.						.38		.62		3.77
Brownsville †	West Fork	1.25					.74	.12					.90	.38					.03		.20	1.27			.05				1.67	.08	.47		7.16
Buckhannon	Tygart	.74				.52	.58	.29				T.	.59	.45					T.		.05	.68			.12			T.	1.03	.08	.43		5.56
Cairo	Litl.Kanawha	.40											.36	.19							.60	1.25			.03				1.11	.17	.63		4.74
Clarksburg [2]	West Fork	.48	.40			.20		.05					.92	.69									.12	.49	.08				.22	.78	.65		5 08
Crawford	do	.67				.81	.09	.04					.66	.14	.04				.03		.11	.68			.10			.19	1.49	.09	.44		5.61
Creston [2]	Litl.Kanawha		1.00			.20		.20					.75								T.	.50	.65					T.	*	1.65	.22		5.17
Dailey [2]†	Tygart	.06	.56			.26		.32					.44	.13	.06	.07				.09	.06	.16	.39		.22					.21	.13		3 16
Dam 10, Mon. R. [2]†	Monongahela	.11	.55			.01		T.					.68	.77		.01				.01		.19	.16		.01				T.	.41	.21		3.15
Dam 13, O. R. [2]†	Ohio	.05	.19										.10									.05	.14						.01	.91			1.45
Dam 15, Mon. R. [2]†	Monongahela	.11	.59			.53							.72	1.04									.14						T.	.54	.46		4.13
Dam 19, O. R. [2]†	Ohio	.02	.18			T.		.01					.19									1.33	.48		.02				.76	.30	.55		3.84
Dam 20, O. R. [2]†	do	.15	.22										.21	.02								.40	.95		.05				.28	.29	.30		2.87
Elizabeth (Dam 3)[2]	Litl.Kanawha	.05	.26					.15					.22									.20	1.05						.30	.40	.42		3.05
Elk †	West Fork	1.30				1.00	.30						.75	.13	.10							1.40			.28				1.50	.85	.15		7.76
Elkins [1] †	Tygart	.10	T.	T.	.31	T.	.31					.38	.07	.04	.12				.02	T.	.12	.35		.07	.12				.55	.04	.55		3.15
Fairmont [2]	Monongahela	.32	.41			.30	T.						.76	.90	T.				.09	.10			.10						.15	.40	.48		4.01
Glenville [2]	Litl.Kanawha	1.44	.81			.13		1.02					1.10	.98		T.					.72	.59		T.					.77	1.62	.26		9.44
Grafton	Tygart	.81	.02			.03		.15					.65	.43	.02				.03			.28	.03		.12					1.39	.85		4.81
Hackers Creek †	West Fork	1.41				.10	.51						.70	.57							.17	1.15		.06					1.84	.07	.51		7.12
Hall [2]	Tygart	1.05	.23			.18		.57					.84	.12	.02	T.				T.		.12	.69		.09				T.	1.31	.64		5.86
Harrison Co. Airport[2]	West Fork	.83			.01		.04					.75	.51	T.	.02				02		.05	.49		.07				.95	.04	.78		4.56
Hastings	Ohio	.40	.03			.04	.20						.38	.30	.03						.80	.06	.07						.35	.14	.35		3.15
Horner	West Fork	1.25				.92	.73						1.00	.15	.20					.15	.17								2.25		.45		7.27
Ireland	do	.30					.10						.36	.45															.71	.60	.76		§§
Jane Lew	do	1.52				.05	.50	T.					.03	.87	.54				T.	.02	.20	2.21	T.	.02					1.56	.22	.12		7.86
Kumbrabow St. For.†	[2]Tygart												.57	.07	.15					.10		.12		.23					.60	.05	.37		2.26
Mannington	Monongahela	.60	.04		.08		.01						.92	.12	T.				.01		.02	.05	.15	.01					.36	.07	.80		3.24
Middlebourne	Middle Is.Creek	T.	.29			1.05							.28	.11		T.						.50	.17							.35	.23		2.98
Midvale [2]†	Tygart	.83	.12			.78		.41					.56	.11	.06	.05						.12	.37		.20					1.20	.62		5.43
Morgantown	Monongahela	.65				.05							1.05	.66					.03		.06		.05						.35	.15	.45		3.50
Mt. Clare	West Fork	1.24				.30	.10						.90	.61								.71		.05					.88	1.10	.83		6.72
New Cumberland	Ohio	.09			3.03	.05	.04						.09								.09	.02							.28	.27			3.96
New Martinsville	do	.44	.10		.07								.72		T.				T.		.65		.20					.03	.36	.16	.22		2.95
Parkersburg [1]†	do	.34			.52		.02					.13	.19	T.						1.04	.38			.03				.53	.40	.09	.62		4.29
Parsons	Cheat	.15		T.		.24	.32	.07					.44		.32	.04			.07	.01	.11	.32	.15		.17				.96	.09	1.05		4.51
Philippi [2]	Tygart	.89	.39			.45		.45					.77	.10	.04	.02			.02	.01		.07	.33		.06				T.	1.51	.82		5.93
Pickens	do											.07	.44	.18					.08	.03		.55	T.					1.37	.10	.40		6.93
Roanoke	West Fork	1.20	.03		.05	1.05	.15	.05					1.00	.15	T.						.70	.55	.06		.07				1.37	.10	.40		6.93
Rockford †	do	1.47				.18	.36						.87		.59				.03		.02	1.50	.05		.04			.05	1.52	.11	.52		7.31
Rowlesburg [2]	Cheat	.28	.68			1.00		.07					.41	T.	.21	.12				.10	T.	T.	.09		.12					1.00	.48		4.56
Saint Marys [2]	Ohio	.15	.27			.23															.46	.14		.03					.40	.45		2.13
Salem	West Fork	.82				.79	.15						.90	.31	.02				T.		.44	.42		.10				.13	.89	.23	.62		5.82
Shinnston	do	.75			.02	.01	.08						.23	2.01	T.								.05		.10				.30	.60	1.41		5.64
Terra Alta †‡	Cheat																				.21				.02				.90	.10	.40		§§
Thomas [2]	do	1.00						.65					.37	.30	.15	.37				.18	.04	.23	.23		.09	.08					.90	.75		5.34
Valley Chapel	West Fork	1.52				.27	.40	.01					1.10	.20					.01		.32	1.67			.03				1.69	.10	.56		7.88
Valley Head [2]	Tygart	.24	.01					.06					.30	.29	.04	.08				.12	.10		.12		.28					.25	.05		1.94
Vandalia †	West Fork	.71				1.20	.07	.11					.68	.23	.12						.15	.50						.09	1.23		.59		5.68
Wellsburg (near)	Ohio	3.34				.48							.09																.42	.38			4.71
West Milford	West Fork	1.02				.17	.20						.92	.33							.20	.55	.10		.05				1.10	.10	1.12		5.86
Weston [2]	do	1.10	.35			.98		.48					.92	.44						.06		.34	.94		.10				.10	1.74	.48		8.03
Wheeling (Dam 12)[2]	Ohio	.24	.28										.10									.58							.02	.70			1.92
Southern Division																																	
Arbovale [2]	Greenbrier	.09					.12					T.	1.27	.07	.27	.01			.34	.12		.02			.17				.20	.28	.10		3.06
Athens	New	.12	.04		T.		.10					.07	.51		T.				.45	.83	1.24	T.			.08					.86	.34		4.64
Beckley	New											.34	.51	.05	.02				.03		.73	T.			.17	.01		.08	.24	.32		§§
Bluefield	New	.88			.14			.11				.08	.50								.15		.06		.05				1.02	.33		3.32
Camden-on-Ganley [2]	Ganley	.64						.10					.67	.18						.04		.25	.45		.08				.30	.20	.08		2.99
Charleston	Gr. Kanawha																																
Charleston (Airport)[4]	do	.50					.07					.83	.14								.24	.24		T.	T.				.65	.11	.24		3.02
Clay [2]	Elk	.42	.02			.07							.65	.14					T.		.02	.28	.82		.09				.18	.21	.06		2.96
Flat Top[4]	New	T.			.04		.18	T.				.20	1.06		T.				.08	.07	.45				.17				.09	.67	.21		3.22
Gary [2]	Big Sandy	.34	.06	.02		.30		.03					.15	.21									T.						.01	.63	.34		2.09
Greenbottom [2]†	Ohio	1.22			.13		.01	.03					.22							.04	.42	.75							.39	.27	.28		3.76
Hinton [2]	New	.59						.25					.54		.22				.01			.95			.13					.40	.24		3.33
Hogsett [2]	Ohio	.15	.48										.11	.05							.29	1.09		T.				1.03	1.10	.03		4.34
Huntington	do	1.64				.03						.04	.20							.09	.53		T.				.22	.35	.22	.53		3.85
Kayford [2]	Gr. Kanawha	.10			T.								.55	.07					T.		.16								.01	.50		1.39
Lewisburg	Greenbrier	.20			.08		.52					T.	.90	T.					.74	.03	.29	.06	.05		.33				.07	.26	.18		3.71
Logan [2]	Gnyandot	.14	.02	T.	.04	.20		.21					.73	T.								T.	.10			T.				.35	.40		2.19
London Locks [2]†	Gr. Kanawha	.17						.42					.74	.11						T.	.09	.79	.29		.04				.02	.28	.21		3.16
Madison [2]	Coal	.02				.02		.66					.73	.37	.02					.10	.01		.52						T.	.23	.26		2.94
Oak Hill	New	.03				.10	.11					.15	.77						.05		1.61	.35		.05				.15	.30	.25		3.92
Pineville	Gnyandot	.74	T.			.20		.28					.28	.29	.14							.12								.73	.13		2.91
Point Pleasant [2]	Ohio	.29	.18					.22					.11	.05									T.	.65					.71	.37	.02		2.60
Princeton [2]	New	.17	.18				.04						.50	.10					.16	.05	.01	.09							.64	.44	.05		2.43
Rainelle	Greenbrier		.02		.08	.04		.10				.02	.47	.14					.06		.62	.06		.14	T.				.02	.38	.08		2.23
Ravenswood [2]	Ohio	.06	.25					.02					.16	.08								.15	.62		T.				.38	.60	.02		2.34
Richwood [2]	Ganley	.47						.88					.29	.19								.57	.24		.10					.78	.11		3.13

Continued on next page.

Daily Precipitation for September 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	.90			T.		T.	.16					.33								.10	.80	.16		T.				2.20	.14	.19		4.98
Ryan	Gr. Kanawha																				.65	.46							.60	.12	.30		§§
Seneca State Forest†	Greenbrier	35						.14					1.29	.10	.32					.05	.24	.26	.05		.21				.11		.10		3.22
Spencer[2]	Litl.Kanawha	.50	.88					.31					.90	.02							.45	.08	.34						1.48	.73	.28		5.97
Summersville[2]	Gauley	.33				.05							.66	.70					.05		.67		.50		T.					.24	.08		3.28
Sutton	Elk	.32	.05				.12	.08					.85	.16					.05		.15	.15			.12				42	.40	.33		3.20
Union[2]	New	.25	.18					.30					.32	.40					.17	.16	.03	.18	.06		.25					.45	.26		3.01
Wayne[2]	Twelvepole	.54	.99			.29		.15					.32	.03							.10		.13						.03	.30	.09		2.97
Webster Springs	Elk						.15					.80	.10		.15				T	.17	.32	.10	.13		.11				.22	.35			2.60
White Sulp'r Spgs.	Greenbrier	.37			.10			.35				T.	1.22	.01	.04				.57	.14	.37	.03			.34				.10	.25	.26		4.15
Williamson[2]	Big Sandy	.23	.09			.07		.05					1.04	.01							.02		1.10							.13	.53		3.27
Winfield Locks[2]†	Gr. Kanawha	.24	1.31					.08					.32	.04							.10		1.14						.09	.53	.02		3.87

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time o observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, West Milford; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for September 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	76	78	80	83	75	74	62	62	69	74	68	72	70	74	66	72	79	71	75	76	74	64	57	59	60	62	72	65	65	57	....	69.7
	Minimum	57	55	52	53	59	49	52	38	40	32	41	53	50	55	47	41	41	48	60	51	51	45	40	40	40	30	33	51	54	45	....	46.8
Beckley	Maximum	*82*	*81*	*84*	*84*	*80*	*80*	70	*67*	*72*	68	76	75	68	76	80	81	77	86	87	83	72	69	63	74	76	*73*	75	75	*72*	*64*	....	75.7
	Minimum	*61*	*64*	*68*	*60*	*60*	*54*	*55*	*40*	36	48	54	53	58	59	50	55	58	59	59	60	59	54	40	45	41	42	52	59	58	57	....	53.9
Bluefield	Maximum	82	81	*82*	84	*78*	80	73	67	71	*75*	75	72	77	75	73	76	77	*65*	78	78	80	78	69	*66*	70	70	68	76	74	65	....	74.5
	Minimum	66	66	*65*	62	*63*	58	58	45	41	*56*	54	56	58	61	52	48	54	62	62	62	61	54	44	*50*	44	46	48	59	60	58	....	55.8
Brandywine	Maximum	89	85	89	88	84	84	75	74	76	80	70	68	74	70	80	79	80	75	81	82	84	72	68	55	71	78	*80*	74	67	70	....	76.7
	Minimum	60	59	57	52	60	48	50	44	31	35	41	40	57	58	45	41	41	55	58	55	56	46	37	44	40	38	42	50	55	46	....	48.0
Buckhannon	Maximum	78	80	82	84	78	78	66	65	70	79	78	78	74	77	74	75	79	79	80	78	78	68	63	63	67	70	76	68	67	68	....	74.0
	Minimum	62	62	56	68	52	58	62	46	46	42	46	62	65	65	56	65	53	59	65	60	52	44	48	45	43	47	58	63	53	....	....	55.4
Cairo	Maximum	84	85	87	89	78	82	79	71	75	85	86	78	81	80	79	79	85	79	86	90	86	81	75	66	70	77	79	79	69	70	....	79.7
	Minimum	61	62	60	60	60	54	50	38	39	40	40	59	62	53	50	46	45	46	55	61	59	46	45	40	40	40	45	60	57	56	....	51.0
Charleston (Airport)	Maximum	85	90	92	92	84	82	74	74	80	88	77	82	80	79	80	83	88	87	91	89	83	76	70	67	75	80	85	75	69	67	....	80.8
	Minimum	66	66	66	64	63	59	47	45	43	48	51	60	58	58	55	54	53	56	60	64	57	49	49	46	45	50	54	62	62	60	....	55.7
Clarksburg[3]	Maximum	78	84	85	87	79	77	66	69	74	83	79	81	78	72	75	78	81	78	85	83	76	70	62	65	70	74	75	67	67	60	....	75.3
	Minimum	53	61	60	62	61	49	56	39	40	43	51	49	56	61	53	49	49	49	58	60	59	47	44	40	42	41	41	47	57	53	....	51.0
Elkins	Maximum	81	82	82	83	76	77	63	65	72	80	73	78	77	66	72	75	78	70	81	81	74	66	60	57	67	72	75	68	70	66	....	72.9
	Miuimum	60	57	59	57	57	52	44	39	37	40	46	59	58	56	49	46	47	53	59	56	57	46	43	44	44	39	42	53	58	53	....	50.3
Fairmont[3]	Maximum	80	90	90	89	81	81	70	76	78	87	80	83	80	73	79	85	85	79	89	87	79	75	64	71	74	80	82	68	70	62	....	78.9
	Minimum	63	62	62	64	64	56	54	40	45	48	49	56	61	62	54	52	52	55	62	63	62	59	48	42	45	41	44	52	55	52	....	54.1
Flat Top	Maximum	77	80	81	80	75	76	65	67	71	72	60	67	72	65	69	73	74	68	78	79	79	65	62	47	68	71	76	73	61	59	....	70.3
	Minimum	63	63	64	63	58	55	47	40	35	46	51	54	56	56	49	41	52	58	59	57	56	42	39	43	39	38	55	57	56	53	....	51.5
Gary[3]	Maximum	85	87	*88*	88	81	82	72	74	80	81	72	84	70	73	78	*80*	84	78	85	87	89	75	71	74	72	78	83	82	70	*66*	....	79.0
	Minimum	57	65	61	*65*	62	58	58	46	39	39	52	53	62	60	53	50	*50*	47	59	60	62	55	44	*46*	42	42	43	58	60	61	....	53.6
Glenville	Maximum	83	89	90	91	87	81	73	75	80	89	88	86	86	78	80	84	89	87	91	90	85	79	75	69	76	80	82	71	70	69	....	81.8
	Minimum	67	63	62	63	66	58	54	45	44	46	48	51	58	61	54	54	51	54	60	63	62	50	47	45	44	45	48	59	60	58	....	54.7
Grafton	Maximum	80	80	83	86	84	79	70	68	71	86	86	81	81	79	77	78	85	82	81	82	79	73	74	66	72	75	79	79	66	64	....	77.5
	Minimum	61	59	57	55	59	51	51	36	38	40	44	53	58	57	50	46	46	49	58	56	54	46	41	42	39	36	42	54	52	47	....	49.2
Huntington	Maximum	82	89	94	94	86	82	75	78	80	87	81	76	81	85	83	84	88	89	90	88	83	79	71	73	69	77	87	75	72	64	....	81 4
	Minimum	69	67	69	69	67	63	56	47	46	50	55	59	62	56	55	55	54	56	63	69	67	53	51	49	49	49	55	65	61	60	....	58.2
Lewisburg	Maximum	84	87	87	86	83	85	71	73	78	79	69	68	82	83	82	80	80	75	84	83	83	71	70	60	70	74	80	78	66	64	....	77.2
	Minimum	60	60	58	56	63	47	56	37	33	40	46	56	59	61	47	42	43	57	62	60	56	45	38	46	42	39	46	50	58	53	....	50.5
Logan[3]	Maximum	88	90	93	90	85	85	76	75	80	86	82	78	78	79	82	84	89	89	89	93	87	78	73	76	74	83	87	82	75	79	....	82.8
	Minimum	60	67	67	67	65	62	60	49	47	48	49	62	66	64	54	59	54	54	60	62	64	55	49	46	47	48	50	55	63	64	....	57.2
Madison[3]	Maximum	87	89	91	90	85	84	74	75	80	87	75	84	81	80	81	81	85	86	88	89	85	70	70	69	76	81	86	80	68	69	....	80.9
	Minimum	61	63	64	62	64	57	57	45	40	42	47	56	59	59	59	50	50	52	57	60	61	52	46	46	44	47	48	54	61	61	..	54.1
Mannington	Maximum	77	84	86	84	77	78	70	70	76	84	78	81	76	74	76	76	82	78	84	83	80	72	64	66	71	75	76	68	69	62	....	75.9
	Minimum	65	60	58	58	38	52	50	35	40	38	42	55	64	57	52	47	45	48	57	58	57	45	43	36	39	38	42	56	54	53	....	49 4
Martinsburg[3]	Maximum	85	83	91	91	88	83	73	75	78	74	66	70	77	80	80	80	67	74	80	82	71	63	65	67	77	80	71	68	64	....	....	75.9
	Minimum	61	66	63	68	68	59	59	45	50	52	55	59	65	59	54	53	58	63	65	62	58	53	46	49	45	47	53	64	50	50	....	56.6
Morgantown	Maximum	79	82	85	86	80	77	68	71	76	85	78	80	79	73	75	79	83	74	84	80	76	73	63	66	72	75	77	69	70	66	....	76.0
	Minimum	52	60	63	66	63	55	52	42	42	50	56	53	62	60	56	50	55	63	63	64	63	50	47	42	42	42	50	61	52	54	....	54.3
New Martinsville	Maximum	80	87	90	89	82	79	74	75	79	85	80	82	82	74	78	84	84	83	89	85	83	75	66	72	73	78	77	69	71	62	....	78.9
	Minimum	65	65	62	62	63	57	51	44	46	48	51	56	58	58	58	51	53	55	60	62	62	48	48	40	44	44	47	60	54	55	....	54.2
Parkersburg	Maximum	79	87	90	89	80	80	69	71	76	83	75	78	79	81	76	79	84	82	89	87	83	72	63	70	71	77	80	70	70	61	....	77.7
	Minimum	65	67	68	68	64	59	51	43	45	48	54	59	61	57	56	51	52	58	61	66	64	53	52	45	44	45	49	65	55	56	....	56.0
Pickens	Maximum	75	79	80	75	78	72	69	65	78	75	70	71	69	70	71	74	70	71	75	73	74	75	68	60	74	76	72	70	72	70	....	72.4
	Minimum	47	49	51	52	55	40	41	32	32	34	41	42	49	43	44	40	42	49	54	52	51	35	35	33	38	35	36	48	47	39	....	42.9
Point Pleasant	Maximum	78	88	90	89	88	79	78	78	79	85	85	76	81	82	81	84	87	87	90	90	85	85	74	71	72	77	82	71	71	68	....	81.0
	Minimum	68	67	69	68	68	63	54	47	46	48	54	60	62	55	56	54	53	57	63	68	67	54	51	45	46	48	53	65	63	58	....	57.7
Rainelle	Maximum	85	88	91	95	80	80	70	71	82	84	78	70	80	74	77	80	82	80	87	85	80	70	69	58	72	74	80	73	67	63	....	77.5
	Minimum	59	60	55	55	59	51	54	37	32	34	44	54	60	58	47	44	41	49	62	58	53	44	37	46	38	39	41	51	57	55	....	49.1
Romney	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer[3]	Maximum	82	87	89	90	82	80	71	72	78	85	78	81	79	78	79	83	85	84	85	88	78	78	67	72	71	76	79	71	64	75	....	78.9
	Minimum	62	65	63	63	66	62	52	41	40	41	49	51	59	56	52	52	47	53	57	63	62	47	45	46	40	41	45	59	61	58	....	53 3
Sutton	Maximum	86	88	90	90	88	87	82	76	75	86	86	81	81	78	78	83	86	86	91	91	87	78	74	67	75	78	80	80	72	70	....	81.7
	Minimum	62	63	60	62	65	56	55	43	40	45	47	58	63	60	52	50	50	54	60	60	59	53	46	49	42	41	46	56	60	59	....	54.0
Wardensville[3]	Maximum	85	94	90	90	85	84	72	75	77	80	74	67	71	70	80	79	81	66	74	82	83	72	63	63	70	77	77	82	64	66	....	76.4
	Minimum	62	60	55	57	64	53	57	41	38	40	46	50	59	61	51	47	46	50	61	64	57	52	45	46	48	40	45	48	48	48	....	51.4
Weston	Maximum	81	90	90	89	88	81	71	73	80	89	86	84	80	70	80	82	88	82	89	88	74	75	66	65	75	80	80	74	66	68	....	79.5
	Minimum	68	65	65	64	65	58	56	45	43	48	50	58	64	61	54	53	50	58	62	63	63	50	45	46	45	44	48	60	61	59	....	55.7
Wheeling[3]	Maximum	78	85	88	89	78	78	68	69	78	87	82	79	82	76	76	83	86	81	88	83	85	73	67	71	74	80	79	69	72	63	....	78.2
	Minimum	59	64	64	65	64	57	52	45	45	47	49	58	59	56	58	51	52	55	56	63	64	52	50	38	39	45	46	50	50	50	....	53.4
Williamson[3]	Maximum	87	88	90	90	84	83	73	75	80	85	75	79	78	89	89	82	85	83	86	88	86	75	70	71	73	76	82	80	78	69	....	81.0
	Minimum	63	68	68	69	66	62	61	50	46	48	51	57	61	60	57	56	55	55	59	63	64	58	51	50	48	48	50	57	64	64	....	57.6

Daily Evaporation (inches) and Wind Movement (miles) for September 1944

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.043	.053	.160	.145	.142	.171	.042	.158	.102	.086	.009	.197	.101	.074	.052	.107	.091	.131	.051	.080	.066	.088	.097	.070	.072	.049	.067	.014	.046	.074	....	2.638
	Wind movement	12	13	29	43	50	49	36	60	25	14	11	40	17	17	12	38	14	42	26	3	27	8	27	35	8	7	7	8	34	39	....	751
Wardensville	Evaporation	.267	.054	.244	.231	.143	.242	.159	.239	.175	.149	.181	.070	.027	.006	.014	.143	.126	.151	.081	.033	.246	.058	.087	.096	.088	.083	.139	.057	.062	.068	....	3.669
	Wind movement	21	18	16	30	30	46	46	29	26	12	14	20	12	6	15	28	10	37	44	20	11	20	53	20	6	12	24	6	15	36	....	683

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—11-4-44—925)

551.05
UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII OCTOBER 1944 No. 10

GENERAL SUMMARY

The temperature for the month averaged 1.0° below normal. The first half of the month was warm; however, on the 15th the temperature suddenly dropped and on the morning of the 16th killing frosts were quite general. Cool nights and warm afternoons were the rule during the latter half of the month. A fairly large area in the central part of the State and a few scattered sections elsewhere showed plus departures.

Precipitation averaged 1.19 inches above normal with all stations showing substantial plus departures except for a few along the Ohio River and scatteringly over the remainder of the State. These plus departures were over two inches at stations in Grant, Pendleton, Tucker. Taylor, Monongalia, Braxton, and Greenbrier Counties. The general storm of the 20th-21st brought moderate to high stages in the rivers in the northern part of the State. Flood stages were reached on the West Fork River at Clarksburg and Weston. No damage was reported.

Frequent rains made for good pastures during the month with considerable saving of winter feed. Fall seeded grains came up to good stands. Farm work advanced normally and outside of considerable corn yet to be shucked, farmers were ready to go on winter routines at the close of the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 73 stations, was 53.7°, or 1.0° below the normal. The mean for the northeastern panhandle division was 52.7°; for the northern division, 53.6°; and for the southern division, 54.0°. The highest monthly mean was 58.8° at Huntington and the lowest, 45.2° at Pickens. The highest temperature was 88° at Romney on the 7th, and the lowest, 15° at Seneca State Forest on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 4.07 inches, or 1.19 inches above normal. In the northeastern panhandle division the average was 4.30 inches; in the northern division, 4.38 inches; and in the southern division, 3.61 inches. The greatest monthly precipitation was 7.12 inches at Stony River Dam and the least, 1.89 inches at Parkersburg. The greatest amount in any 24 consecutive hours was 2.77 inches at Philippi on the 20th-21st. The greatest monthly snowfall was 3.0 inches at Spruce Knob. The average number of days with 0.01 inch or more of precipitation was 10.

ERRATA

August, 1944.—Page 32: Clarksburg mean temperature 71.3; departure, —0.7. Page 34: Clarksburg, mean minimum temperature, 57.6.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	4	14	6	7	19	1	7	7	1	4	7	18	2	1	..	9	16	22	23	2	2	2	13	11	31	9	1	6	2	15	13
Frosts, killing	..	..	..	..	..	..	..	..	..	1	1	2	..	..	4	52	..	..	..	..	..	1	3	..	..	..	..	3	2	..	..
Gales	..	..	..	..	..	2	1	2	2	..	..	..	..	3	..	..	..	..	..	1	4	..	..	..	1	1	2	2	1	1	1
Hail	..	..	..	..	..	3	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	1	3	25	..	1	..	..	..	3	..	..	..	..	..	..	..	..	..	..	15	1	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes—inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.58	16	29.88	13	6.4	20	w.	28	90	51	64	56	291
Columbus, Ohio	30.58	15	29.83	14	7.8	25	sw.	28	78	55	66	62	315
Elkins	30.59	16	29.74	21	5.5	34	nw.	7	91	55	77	57	452
Huntington Airp't.	30.56	16	29.84	13	.....	16	w.	28	93	51	77	....	292
Parkersburg	30.58	16	29.81	14	5.6	23	nw.	7	91	52	66	59	321
Pittsburgh, Pa	30.58	15	29.74	14	9.1	25	w.	14	84	55	62	56	383

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	....	7	..	..	..
1892	52.6	89	24	.21	1.05	.48	.83	....	4	..	..	..
1893	54.1	86	16	4.85	4.20	5.91	4.74	....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	**7**
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	**7**
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	**15**
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	**.40**	T.	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	11	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2.19	1.13	1.80	.4	8	14	9	8
1941	59.6	99	17	1.26	3.68	2.48	2.89	.0	12	12	9	10
1942	55.8	87	11	6.93	3.73	3.08	4.04	T.	10	13	8	10
1943	52.4	89	19	2.87	2.05	2.28	2.26	.1	8	15	5	11
1944	53.7	88	15	4.30	4.38	3.61	4.07	T.	10	14	9	8
Period	54.7	102	8	2.78	3.00	2.73	2.88	0.3	8	16	7	8

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Climatological Data for October 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	49.0	−0.2	78	5†	18	16†	4.42	+1.16	1.70	20	T.	8	15	6	10	.....	Howard R. Fulk
Brandywine	Pendleton	1,586	28	50.9	−2.4	85	5†	16	28	4.17	+1.80	1.78	20	0.0	7	20	1	10	n.	E. L. Keister
Great Cacapon	Morgan	500	....	54.2	.....	86	7	22	23	3.08	.....	0.91	21	.0	6	18	6	7	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	4.73	+1.47	2.15	21	.0	13	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	54.0	.....	87	7	25	23	3.93	.....	1.00	20	.0	11	15	8	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	53.6	−1.3	85	7	25	23	4.07	+0.81	1.32	20	.0	7	12	13	6	n.	University Exper. Station
Martinsburg	Berkeley	435	52	52.2	−2.5	83	7	28	15†	3.76	+0.69	1.66	20	.0	9	10	11	10	ne.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	52.6	−1.5	87	7	18	28	4.00	+1.69	1.15	20	.0	8	12	9	10	w.	R. E. Saville
Piedmont	Mineral	1,053	30	53.0	−0.4	84	7	27	16†	4.41	+1.76	2.69	21	.0	11	14	11	6	nw.	C. A. Suter, Jr.
Romney	Hampshire	824	45	55.2	+0.3	88	7	25	16	3.77	+1.22	1.30	20	.0	5	16	6	9	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	7.12	+3.92	2.00	20	.0	12	9	5	17	.....	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	26	51.5	−1.1	84	6	22	23	4.00	+0.84	2.44	21	.0	9	.....	.....	.....	w.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	4.79	+1.25	1.47	21	T.	12	11	13	7	w.	L. Esle Bond
Benson	Harrison	1,080	19	54.5	+1.6	82	5†	23	23	3.97	+0.41	1.52	21	.0	11	16	11	4	.....	R. D. Marts
Bens Run	Pleasants	652	43	54.9	−1.7	84	6	30	23†	2.56	−0.46	0.55	14	.0	9	20	6	5	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	48.6	.....	80	5	18	16†	6.15	.....	2.52	21	.0	10	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	56.4	+1.8	85	7	25	16†	4.47	+1.05	1.20	20	.0	12	13	12	6	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	54.5	+0.7	80	5†	25	16	4.37	+1.23	1.90	20	.0	11	15	10	6	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	55.7	−0.1	84	7	24	28	4.02	+1.10	1.05	21	.0	11	13	15	3	.....	Eureka Pipe Liue Co.
Clarksburg	Harrison	1,015	21	52.3	−1.1	80	5†	27	23†	4.01	+0.88	2.28	21	.0	11	18	7	6	se.	Clarksburg Water Board
Creston	Wirt	640	43	56.0	+0.3	85	6	24	31	4.23	+1.08	1.50	21	.0	8	12	15	4	.....	J. L. Ledsoue
Dam 10 Mon. R	Monongalia	826	22	54.4	.....	85	5	30	17†	5.74	+2.57	2.58	21	.0	15	20	3	8	s.[a]	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	3.13	+0.44	1.00	21	.0	13	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	4.39	+1.15	2.47	21	.0	12	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.21	−0.44	0.91	14	.0	10	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.83	+0.08	0.94	14	.0	10	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	3.74	+0.82	1.10	21	.0	8	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	45	50.6	−0.5	79	7	22	23	3.96	+1.05	1.69	21	T.	14	9	10	12	nw.	U. S. Weather Bureau
Fairmont	Marion	883	52	55.0	−0.1	86	5	27	23	4.04	+0.93	2.45	21	.0	12	16	5	10	w.	J. C. Robinsou
Glenville	Gilmer	738	56	57.6	+1.4	86	7	28	28	4.19	+0.98	2.10	21	.0	8	13	12	6	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	53.8	−1.4	83	5†	22	16	5.09	+2.13	.....	.....	.0	12	20	5	6	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	52.9	.....	82	5	24	16	4.07	.....	2.30	21	.0	11	10	16	5	s.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	3.79	.....	1.45	21	.0	12	16	6	9	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	4.89	+1.57	1.58	20	.0	9	14	6	11	...	Mrs. Ova Lester
Mannington, 1½ mi. NW	Marion	974	42	53.0	−0.6	82	5†	22	23	5.12	+1.95	2.32	21	.0	13	14	8	9	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	3	53.4	.....	85	6	22	28	2.97	.....	1.17	21	.0	11	16	6	9	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	68	54.4	−0.8	83	5	26	16†	5.72	+2.57	1.72	21	.0	9	15	9	7	sw.	State Dairy Farm
New Cumberland	Hancock	671	49	53.6	−0.4	85	6	24	23†	3.82	+1.10	1.37	21	.0	11	14	4	13	nw.	C. O. Valentine
New Martinsville	Wetzel	637	51	55.2	−1.6	84	5†	27	28	3.38	+0.26	1.40	14	.0	9	16	10	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	55.4	−0.7	84	6	30	28	1.89	−0.59	0.63	14	.0	9	18	6	7	n.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	52.5	+1.0	81	5	26	16†	5.31	+2.04	1.89	21	T.	15	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	4.80	+1.66	2.77	21	T.	15	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	45.2	−6.5	72	7	20	16†	5.42	+1.38	1.58	20	T.	13	12	9	10	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	5.11	+1.69	2.60	21	.0	11	10	12	9	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	54.6	.....	86	6	27	16†	4.75	+0.40	2.11	21	T.	9	.....	.....	.....	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	3.69	+0.83	0.85	21	.0	11	.....	.....	.....	...	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	5.93	+1.69	1.95	21	.0	9	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	55.8	+0.4	85	5	26	23	4.39	+0.98	2.34	21	.0	13	14	12	5	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	52.8	−0.7	84	6	22	23	3.89	+1.17	1.36	21	.0	8	16	7	8	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	4.11	−0.11	2.38	21	.0	9	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	57.0	+1.5	85	5	29	16	4.56	+1.75	2.40	21	.0	10	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	54.2	−0.7	83	6	30	23†	3.26	+0.53	1.23	21	.0	12	11	6	14	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	2.31	−0.33	1.04	20	.2	10	16	6	9	w.	H. S. Sutton
Athens	Mercer	2,600	4	52.4	.....	82	5	26	16	3.21	.....	2.20	20	T.	8	18	9	4	nw.	Concord College
Beckley	Raleigh	2,440	40	53.0	−1.4	82	5	20	30	4.29	+1.31	1.81	20	.0	13	17	9	5	.....	Post-Herald
Bluefield	Mercer	2,558	49	54.8	−0.9	79	5	30	30	4.52	+1.75	2.04	20	.0	9	18	6	7	...	Norfolk & Westeru Ry.
Charleston	Kanawha	602	58	.....	.....	.....	.....	.....	.....	.....	.....	1.70	21	.0	9	12	11	8	ne.	Civil Aero. Administration
Charleston (Airport)	Kanawha	606	6	56.2	.....	85	6†	29	28	4.10	.....	1.97	21	.0	11	.....	.....	.....	.....	L. E. Woofter
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	4.31	+1.33	1.66	20	.1	17	13	11	7	w.	Department of Justice
Cranberry Glades	Pocahontas	3,400	....	47.2	.....	75	5†	18	16†	3.71	.....	2.53	21	T.	10	16	10	5	nw.	U. S. Airway Station
Flat Top	Mercer	3,270	6	49.8	.....	76	5	24	30	4.11	.....	1.92	21	.0	9	.....	.....	.....	.....	U. S. Coal & Coke Co.
Gary	McDowell	1,426	27	54.4	−1.2	84	5	25	28	3.98	+1.08	1.20	20	.0	6	16	6	9	n.	State Forest Nursery
Greenbottom	Cabell	550	5	56.7	.....	84	7	29	28	2.07	.....	0.80	12	.0	11	14	6	11	.....	W. Va. Water Service Co.
Hamlin	Lincoln	641	1	54.7	.....	87	7	23	28	4.21	.....	1.66	20	.0	11	15	4	10	w.	Mrs. M. L. McClung
Hinton	Summers	1,431	55	55.6	−1.4	84	18	27	28	3.64	+0.81	1.76	21	.0	11	.....	.....	.....	.....	H. N. Robinson
Huntington	Cabell	571	48	58.8	+2.4	86	6	32	28	3.80	+1.28	1.47	14	.0	12	14	10	7	w.	Truax-Traer Coal Co.
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	4.24	+0.92	1.78	21	.0	9	.....	.....	.....	.....	James B. Stuart
Lewisburg	Greenbrier	2,250	50	51.6	−1.6	82	5	20	30	3.24	+0.24	1.50	20	.0	10	15	9	7	w.	Paul A. Simouds
Logan	Logan	700	31	58.5	−1.6	85	3†	32	30	2.80	−0.25	1.39	21	.0	8	10	17	4	.....	Lockmaster
London Locks	Kanawha	623	9	57.8	.....	86	5	31	28	4.22	.....	1.85	21	.0	10	.....	.....	.....	w.	W. Va. Water Service Co.
Madison	Boone	675	23	55.6	0.0	87	1	24	30	3.57	+0.94	1.52	21	.0	12	7	21	3	.....	M. H. Martin
Oak Hill	Fayette	1,950	2	50.5	.....	80	5	23	29	4.48	.....	2.00	21	.0	11	9	10	12	.....	Charles Dameron
Pineville	Wyoming	1,350	2	56.9	.....	86	5	25	28	4.36	.....	1.60	20	.0	11	17	7	7	.....	E. C. Winger
Point Pleasant	Mason	595	54	57.6	+0.4	84	6	31	23†	2.11	−0.70	0.80	14	.0	9	.....	.....	.....	w.	L. G. Swing
Rainelle	Greenbrier	2,424	13	51.6	+0.8	80	5†	21	23	4.68	+2.07	1.98	20	.0	13	15	4	12	.....	Lockmaster
Ravenswood (Dam 22)	Jackson	584	29	55.0	−1.3	82	5†	25	23†	2.83	+0.04	0.83	14	.0	12	17	5	9	nw.	Richwood Lt. & Pwr. Co.
Richwood	Nicholas	2,193	13	53.4	+0.7	80	6†	24	27	4.09	+1.24	1.93	21	.0	7	19	6	6	.....	Pfost Greenhouses
Ripley	Jackson	610	2	55.8	.....	84	6	25	28	2.74	.....	0.55	14	.0	8	13	6	12	sw.	Daniel C. Ryau
Ryan	Roane	700	41	54.0	+1.3	85	6	21	28	4.14	+0.98	1.22	20	.0	9	16	10	5	.....	Supt., State Forest
Seneca State Forest	Pocahontas	2,650	5	47.8	.....	80	7	15	27	3.36	.....	1.35	20	.0	8	19	6	6	nw.	A. M. McKown
Spencer	Roane	789	45	54.2	−0.7	83	7	25	28	4.29	+1.13	1.81	21	.0	10	11	7	13	.....	A. E. Dorsey
Summersville	Nicholas	1,900	8	50.8	....	81	5	18	28	4.71	.....	1.80	21	.0	9	7	11	13	....	C. B. Eakle
Sutton	Braxton	850	41	56.7	0.0	84	6†	28	28†	5.26	+2.27	1.72	20	.0	11	.....	.....	.....	.....	C. B. King
Union	Monroe	2,200	40	51.3	−3.1	82	5	22	30†	3.66	+0.93	1.95	21	.0	9	.....	.....	.....	.....	Mrs. Vergie Kessler
Webster Springs	Webster	1,500	12	50.0	.....	80	19	25	23	3.09	.....	1.05	20	.0	9	8	15	8	n.	Ashford General Hospital
White Sulphur Springs	Greenbrier	1,914	30	54.8	+2.4	83	6	24	23	3.16	+0.35	2.01	20	.0	9	8	12	11	w.	J. E. Dotson
Williamson	Mingo	673	43	55.4	−2.4	83	6	32	28	3.08	+0.29	0.98	20	.0	11	17	7	7	se.	Lockmaster
Winfield Locks	Putnam	571	6	56.4	.....	83	5†	30	28†	3.60	.....	0.80	1	.0	9	17	4	10	sw.	
State averages and extremes				53.7	−1.0	88	7	15	27	4.07	+1.19	2.77	21	T.	10	14	9	8	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for October 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.12		.90			T.		.22		.12			.24	.32						1.70	.80			T.			T.					4.42
Brandywine	do	.24		.46				.23		T.			T.	.47	.23						1.78	.76			T.			T.					4.17
Brushy Run[2]	do	.27		.07	1.02		.65	T.	.07		T.			.30	.14							2.20				.05						4.77
Harpers Ferry[2]	do	.21		.15	.35	.02	.04	.06	.22		.16			.22	1.00	.03						2.15	.12									4.73
Inwood	do	.10		.75	.02		.05	*	.42	.05				.55	.30						1.00	.69										3.93
Kearneysville	do			.62	T.		.09	.14						.59	.40						1.32	.91										4.07
Knobly Mountain[2]†	do	.20		.68	.23	.22	T.		.09		.04			.16	.23							2.30			.12							4.27
Martinsburg[4]	do			.62	.01	.01		.71		.03			.31	.29							1.66	.12										3.76
McNeill†	do	.13		.58	.11					T.				.30	.46						1.15	1.12			T.	.15						4.00
Petersburg	do	.18		.98	.12		.12		.10					.15	.24						1.19	T.				.20						3.28
Piedmont	do	.07		.99	.03	.01		.14		.17				.15	.15						.18	2.51			.01							4 41
Romney	do			.96										.25	.18						1.30	1.08										3.77
Spruce Knob[2]†	do	.39		.13	.72		.28	.34	T.	.17	.22	.31		.56	.29	.04					.04	2.20	.14			.19		.07	.03				6.12
Stony River Dam[2]†	do	.88		.24	1.14				.29		.08			.28	.50	.05					2.00	1.46	.03			.17							7.17
Wardensville[2]	do	.16		.17	.32	.01	T.	T.	.58					.12	.15							2.44				.05						4.00
Northern Division																																	
Aberdeen†	West Fork	.45		.65	.08		.03	.25		.07				.22	.20						1.17	1.47			.15	.05		T.					4.79
Belington[2]	Tygart	.47	T.	.02	.92	T.	.03	.03	.99	.04	.06	T.		.01	.07	.07						2.16	.03			.22		T.	.01				5.13
Benson†	West Fork	.13		.45	.05		.20		.09					.18	.19						.75	1.52			.26	.15							3.97
Bens Run	Ohio			.31	.11		.08	.11		T.				.35	.55						.51	.36			.18								2.56
Big Skin Creek†	West Fork	.25		.42	.06		.11	.40	.08		T.			.23	.54	T.					2.20	.44			.13								4.86
Brandonville[2]	Cheat	.18		1.50	.05		.20		.57	T.	.05			.23	.54	T.						2.52		T.	.09								6. 15
Brownsville†	West Fork	.30		.29	.07		.10	.30		.11				.35	.45						1.20	1 15			.13	.02							4. 47
Buckhannon	Tygart	.33		.43	.08		.05	.47		.05				.17	.23						1.90	.48			.18								4.37
Cairo	Litl.Kanawha	.66		.32	.03		.15	.11	.36	T.				.20	.58						.23	1.05			.33								4.02
Clarksburg[2]	West Fork	.20		.06	.24		.20	.04	.41					.30	.08							2.25	.03		T.	.20							4.01
Crawford	do	.14		.65	.01		.24	.28		.08	T.			.39	1.17						1.96	.49			.11		T.						5.52
Creston[2]	Litl.Kanawha	.29			.33	T.	.31				T.			.25	1.10	T.						1.50			.10	.35							4.23
Dailey[2]†	Tygart	.23			.71		.08			.06	.59	.06		.05	.18	.02						1.75	.02			.04			.03				3.82
Dam 10, Mon. R.[2]†	Monongahela	.31	.01	.45	.38		.16	.01	1.10	.02	.03			.25	.12	.09						2.58	.11			.12			T.				5.74
Dam 13, O. R.[2]†	Ohio			.71	.36		.05	.02	.08	.02	.01			.02	.50							1.00	.04		.05	.27							3.13
Dam 15, Mon. R.[2]†	Monongahela	.47		.16	.26		.10	T.	.46		.02			.14	.02	.04						2.42	.05			.25							4.39
Dam 19, O. R.[2]†	Ohio	.03		.10	.01		.12		.10	T.				.02	.91							.60			.08	.24							2.21
Dam 20, O. R.[2]†	do	.48		.13	T.		.18			T.	.05			.03	.94							.71			.08	.21		.02					2.83
Elizabeth (Dam 3)[2]	Litl.Kanawha	.85		.05	.12		.23		.40						.52							1.10				.47							3.74
Elk†	West Fork			.79		.20		.08						.48							1.98	.75			.20								4. 48
Elkins[1]†	Tygart	.02		.72	.04	T.	.16	.54		.21	.04		.06	.02	.22						1.57	.14			.17		T	.05					3.96
Fairmont[2]	Monongahela			.25	.15		.17	.45	.03		.03			.16	.11							2.42	.03		.04	.20							4 04
Glenville[2]	Litl.Kanawha	.18		T.	.43		.10		T.					.20	.81	T.						2.10			.06	.31							4.19
Grafton	Tygart	.47			.35		.15		.89	T.	.04			.12	.13						*	2.83			.07	.02			.02				5.09
Hackers Creek†	West Fork	.09		.68			.29	.41		.07				.20							1.97	.76			.26								4.73
Hall[2]	Tygart	.83	T.	.02	.94		.09	.03	.38		.05			.04	.24	.03						2.59	.06			.21		T.	T.				5.51
Harrison Co.Airport[4]	West Fork			.60	T.	.03	.18	.55	T.	.01				.26	.03						2.17	.14			10		T.					4.07
Hastings	Ohio	.60		.19	.04		.12	.42	.08	.02				.11	.61						.48	.97			.15							3.79
Horner	West Fork			.30	.55		.30	.45		.30				.50							1.40	1.10			.10	.03		.05				5.08
Ireland	do			.32			.26		.12	.22	.13			.08							.52	2.21										3.86
Jane Lew	do	.57	.11	.67				.06	.24		T.				T.						1.58	1.32	.28	T.	.06								4.89
Kumbrabow St. For.†	[2]Tygart	.18		.70		.05	.37			.55	.14			.15	.67						1.20	.78			.22			.05	.02	.13			5.21
Mannington	Monongahela	.03		.35	.01		.23	1.57		.03	.01			.21	.15						1.11	1.21			.20	.01		T.					5.12
Middlebourne[2]	Middle Is.Creek	.34		.11	.05		.15		.30		.04			.08	.46							1 17			.10	.17							2.97
Midvale[2]†	Tygart	.52	T.	.01	.62	T.	.03	.07	.98		.16	T.		.02	.22	.05						2.00	.07			.26	.02	T.					5.03
Morgantown	Monongahela			.90			.14	1.22		.03				.38	.24						1.00	1.72			.09								5.72
Mt. Clare	West Fork	T.	T.	.52	.02	T.	.11	.93	T.	T.				.32	.16						*	2.25		T.	T.			T.					4.31
New Cumberland	Ohio		T.	.54			.74	.22	.07	.01					.73						.22	1.15			.09	.01		.04				3.82
New Martinsville	do			.27	T.		.13	.13		.05	T.			.05	1.40						.45	.60			.30							3.38
Parkersburg[1]†	do			.16		.02	.10	.09	T.	T.	T.			.60	.08						.51	.02			.31							1.89
Parsons	Cheat	.18		1.29	.27	T.	.03	.80	.19	.22	.66			.16	.46						.90	1.01			.19	.04		.01				5.31
Philippi[2]	Tygart	.21	T.	.05	.74		.03	.05	.21		.10			.01	.28	.02						2.77	.05			.25		.02	.01				4.80
Pickens	do	.40		.74			.25	.38		.32	.10	.05	.04	.20	.50						1.58	.48			.38		T.					5.42
Roanoke	West Fork	.14		.40	.04		.22		.40	.06				.40	.71						1.90	.70			.14							5.11
Rockford†	do	.02		.65			.09	.20		T.				.30	.14						1.90	.75			.20			T.				4.35
Rowlesburg[2]	Cheat	.44		.20	.40		T.	T.	.47		.33			.44	.18	.18					2.00	2.11	T.			T.			T.			4.75
Saint Marys[2]	Ohio	.37		.15			.12	.20	52		.05			.20	.79							.85			.15	.29							3.69
Salem	West Fork	.03		.27			.28	.48						.15							1.20	.78			.31								3 50
Shinnston	do			.27				.70						T.							1.80	.45			.55								3.77
Terra Alta†	Cheat	*.10*		*1.00*	*.10*		*.10*		*.40*	*.10*																							*5.10*
Thomas[2]	do	.80		.09	1.50				.59	.18				.20	57	T.						1.95	.05									5.93
Valley Chapel	West Fork	.28		.70	.05		.03	.01	.28	.02				.18	.17						1.00	1.31			.28	.05							4.39
Valley Head[2]	Tygart	.18			.41	T.		.62	.14	.04	.43			T.	.49	.05						1.93	T.			.43		.04	T.				4.76
Vandalia†	West Fork	.24		.41				.25						.34	.32						2.23	.42			.11								4.32
Wellsburg (near)	Ohio			.92			.16	.14		.06				T.	1.03						.28	1.08			.22								3.89
West Milford	West Fork	.10		.46	.05			.55						.24	.23						.56	1.82			.10								4.11
Weston[2]	do	.38		T.	.52		.06	.03	.28					.04	.48	T.						2.40	.06			.31								4 56
Wheeling (Dam 12)[2]	Ohio			.50	34		.03	.01	.25	.02	T.			.01	.70							1.23	.05		.02	.10							3.26
Southern Division																																	
Arbovale[2]	Greenbrier			.11			.06	.10		.23			T.	.30	.12						1.04	.04			.27		.04						2.31
Athens	New				.12		.21	.21	T.					.36	.08						2.20	.02			.01		T.						3.21
Beckley[2]	New				.34	.03	.16	T.	.02	.04	.03	.04		*	1. 56						.10	1.71	T.			.26	T.				T.		4.29
Bluefield	New		.30		.08		.32		.18					1.19	.25						2.04	.13			.03								4.52
Camden-on-Gauley[2]	Gauley	.12			.04		.16	.12	.30	.06	.43				.81	.04					.07	1.48	.05			.36							4.04
Charleston	Gr. Kanawha																																
Charleston (Airport)[4]	do			T.		T.	.55	.27		.05	T.		.16	.82	.18						1.52	.18			.37								4.10
Clay[2]	Elk	.18			T.		.20	.29	.19	.02	.04			.04	1.19	.02						1.97				.17								4.31
Flat Top†	New	T.		.19	.04		.19	.18		T.	.03			.77	.15						2.48	.05											4.11
Gary[2]	Big Sandy				T.	.01		.22	.62	.01	T.			.60	.28	T.					.31	1.92											3.98
Greenbottom†	Ohio						.29			*	.05				1.20	T.					.29				.24								2.07
Hinton[2]	New	.11			.22	.06			.20	.05				.10	.79						.21	1.76				.12		.02					3.64
Hogsett[2]	New	.14			.02		.60		.04		.02			.44	1.27							.36			.13								3.02
Huntington	Ohio			.02	.03	.14	.21	1.13		.05			.01	1.13	.34						.30	.10			.34								3.80
Kayford[2]	do					.10	.20	.03		.60	.10			.80	.60							1.78												4.24
Lewisburg	Gr. Kanawha	.03																															
Logan[2]	Greenbrier	.06			.22		.03		T.	.21			.02	.50	.38						1.50	.21			.11								3.24
London Locks[2]†	Guyandot		.04		.35		.14	.08						.38	.32						T.	1.39			.10	T.							2.80
Madison[2]	Gr. Kanawha	.15		T.	.04	.09	T.	T.	.42	.02	.14			.25	1.04							1.85				.22							4.22
Oak Hill[2]	Coal	.06	T.		.15	T.	.06		.07		.02			1.00	.30						.09	1.52			.06	.23		.01					3.57
Pineville[2]	New				.31		.14	.13	.02	.15	.12			1.23	.18							2.00	.10			.10								4.48
Point Pleasant[2]	Guyandot	02			.19	T.	.28		.35	.02	.05			.65	.46						1.60	.70			.04								4.36
Princeton[2]	Ohio	.13		.02			.11		T.	T.	.15			.42	.80							.44			.02	.02							2.11
Rainelle	New			.11				.23	.32					.45	.97						.29	*2.00*											*4.37*
Ravenswood[2]	Greenbrier	.18	T.		.33	T.	.18	.04	.07	.20	.11			.69	.46						1.98	.23			.20		.01						4.68
Richwood[2]	Ohio	.36		.07	.06		.15		.25	.05	.07			.10	.83							.62			.02	.25							2.83
	Gauley	.13			.11				.37			.17			.91							1.93				.47							4.09

Continued on next page.

Daily Precipitation for October 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	T.		.08			.09	.45		T.	T.			.45	.55						.52	.30			.30								2.74
Ryan	Gr. Kanawha	.05						.55		.05	.05			.83	.43						1.22	.58			.38								4.14
Seneca State Forest†	Greenbrier			.02						.31				.36	.73						1.35	.22			.12	.25							3.36
Spencer[2]	Litl.Kanawha			.07	.03		.07		.26		.03			.57	1.17							1.81			.06	.22							4.29
Summersville[2]	Gauley	.19					.33		.19		.35	.15			1.54							1.80				.14		.02					5.26
Sutton	Elk	.18		.12			.32	.25	.45	.22				.40	.42						1.72	.78			.40								3.66
Union[2]	New	.05			.28	.18			.15					.25	.65						.10	1.85				.15							2.41
Wayne[2]	Twelvepole	.42			.10	.06	.36				.16			.54								.45			.32								3.09
Webster Springs	Elk			.05		.30		.22		.45	.22	T.		.10							1.05	.45			.25								3.16
White Sulp'r Spgs.	Greenbrier	.03			.21	T.				.27			.01	.45	.10						1.70	.31			.08								3.08
Williamson[2]	Big Sandy	.05			.22		.42		.14		.06			.63	.40						.25	.73			.06	.12							3.60
Winfield Locks[2]†	Gr. Kanawha	.80					.31	T.	.12		.03			.71	.70							.77			.01	.15							

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Craubcrry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Kuob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for October 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	64	69	70	72	78	73	78	72	60	55	58	62	60	59	58	57	62	71	68	54	50	49	56	60	64	60	50	58	58	62	68	62.4
	Minimum	43	50	46	44	43	58	52	39	34	35	39	32	30	45	32	18	28	27	30	40	38	28	18	26	37	38	31	25	38	30	32	35.7
Beckley	Maximum	74	79	78	81	82	78	72	67	52	59	65	60	67	65	67	70	69	81	63	67	56	70	68	73	60	57	59	67	73	74	68	68.4
	Minimum	53	42	48	60	56	59	46	38	44	36	32	35	48	43	39	26	26	28	35	45	43	25	28	26	32	32	35	24	36	20	28	37.7
Bluefield	Maximum	71	73	74	74	79	78	75	77	59	51	58	59	57	61	61	65	68	74	74	65	50	50	61	64	69	69	57	50	59	67	67	65.0
	Minimum	58	48	56	62	58	64	61	47	48	45	34	46	48	46	43	34	34	38	46	45	42	32	34	41	46	46	36	32	34	30	47	44.5
Brandywine	Maximum	72	76	67	79	85	83	85	70	62	58	62	65	58	65	67	63	70	80	74	65	67	65	64	65	72	64	52	60	65	70	68	68.3
	Minimum	45	44	45	45	46	60	48	37	40	32	34	28	37	36	34	19	24	28	33	36	34	25	19	28	33	35	33	16	22	20	24	33.5
Buckhaunon	Maximum	68	72	70	70	80	78	80	70	67	57	68	67	62	63	60	60	60	70	68	62	65	55	60	60	60	58	68	63	55	61	68	65.3
	Minimum	58	54	60	58	52	55	57	58	57	44	45	43	47	50	47	25	31	32	38	45	43	36	38	33	40	38	38	36	39	28	29	43.7
Cairo	Maximum	75	77	77	76	82	83	84	73	66	60	59	71	73	69	70	62	69	75	79	71	54	64	64	72	75	75	63	60	61	66	74	70.3
	Minimum	57	54	60	57	53	74	57	42	49	42	46	35	56	49	34	25	30	32	32	47	45	30	25	34	40	35	30	24	32	25	28	41.1
Charleston (Airport)	Maximum	76	80	78	80	84	85	85	70	59	60	65	67	57	71	61	67	72	80	74	54	63	60	67	71	76	64	54	63	62	70	77	69.4
	Minimum	55	55	60	62	62	60	51	45	50	48	46	40	51	49	33	32	33	39	41	46	36	33	32	36	44	37	30	29	34	33	35	43.1
Clarksburg[3]	Maximum	70	75	60	74	80	80	80	67	57	56	58	67	64	66	54	62	65	75	69	52	58	55	62	60	70	60	49	57	54	60	72	64.1
	Minimum	54	57	56	55	54	54	58	45	50	42	40	37	37	50	40	28	28	31	34	34	43	32	27	27	38	38	38	33	34	32	28	40.5
Elkins	Maximum	68	72	61	71	79	78	79	63	52	53	58	67	63	64	52	61	66	76	71	57	52	53	64	61	68	57	42	54	54	63	70	62.9
	Minimum	50	51	52	53	51	55	54	43	46	44	43	35	48	46	28	24	27	30	33	41	33	28	22	30	37	40	33	30	31	25	26	38.4
Fairmout[3]	Maximum	77	78	61	76	86	85	85	62	58	59	62	73	68	71	58	68	74	80	70	51	61	61	68	65	77	65	52	63	61	68	77	68.4
	Minimum	53	57	59	55	55	58	62	45	49	41	43	38	39	50	38	29	32	36	35	38	43	33	27	31	31	41	38	33	39	29	30	41.5
Flat Top	Maximum	67	66	72	72	76	74	74	62	51	48	55	55	54	61	54	62	63	74	65	46	52	49	60	62	66	56	40	51	53	66	67	60.4
	Minimum	52	45	51	50	50	59	52	45	42	37	31	40	45	42	37	30	40	33	38	39	38	25	26	43	41	36	30	26	28	24	43	39.3
Gary[3]	Maximum	78	81	80	80	84	81	83	69	59	57	62	66	62	68	65	68	71	81	73	52	60	57	67	69	75	63	49	58	61	73	74	68.6
	Minimum	50	51	52	55	59	59	57	48	45	47	36	37	46	48	40	30	30	32	35	40	46	34	30	31	34	38	35	25	26	27	27	40.3
Glenville	Maximum	77	80	73	79	85	85	86	70	63	60	65	73	73	71	69	68	75	83	81	68	69	63	68	69	76	73	57	63	64	71	77	72.1
	Minimum	59	56	62	59	58	65	57	45	51	48	42	39	50	50	36	30	32	36	37	45	45	35	29	34	40	37	34	28	34	30	30	43.6
Grafton	Maximum	74	76	75	75	83	83	82	81	64	60	60	74	75	69	69	63	70	78	78	70	59	59	65	64	74	74	60	54	61	66	74	70.0
	Minimum	50	49	49	49	50	60	53	41	47	38	37	33	46	45	33	22	25	31	30	40	38	28	23	28	37	35	34	29	34	23	26	37.5
Huntington	Maximum	79	80	76	79	82	86	82	73	63	59	63	66	62	73	66	69	71	79	72	65	68	64	68	73	78	69	59	65	65	70	78	71.0
	Miuimum	58	56	62	62	61	67	64	48	53	49	51	46	53	47	44	34	37	41	43	49	46	36	34	43	44	42	39	32	37	33	36	46.7
Lewisburg	Maximum	75	74	75	77	82	80	81	73	58	55	62	60	57	67	67	68	74	78	71	57	55	57	63	61	71	61	53	53	60	63	68	66.3
	Minimum	51	42	50	59	52	59	46	38	44	36	28	35	48	43	39	24	25	28	34	44	42	24	22	25	32	32	34	23	36	20	28	36.9
Logan[3]	Maximum	79	84	85	83	82	84	83	85	62	63	65	70	59	60	62	70	69	82	76	50	55	65	70	72	75	58	59	60	66	69	76	70.3
	Minimum	60	55	55	60	65	65	63	55	50	53	57	59	44	47	45	40	35	35	40	43	46	35	35	38	48	45	33	35	40	32	35	46.7
Madison[3]	Maximum	87	82	80	82	83	85	85	68	59	60	66	68	55	70	62	69	72	80	75	50	65	59	68	69	76	65	65	62	61	70	76	70.1
	Minimum	58	58	55	59	61	61	58	48	52	47	38	39	40	44	38	31	29	31	35	38	44	34	31	32	40	34	31	25	28	24	29	41.0
Mannington	Maximum	74	74	71	75	82	82	81	67	59	56	60	70	66	69	65	64	72	78	68	63	59	57	64	62	73	66	56	59	59	66	73	67.4
	Minimum	55	52	53	53	53	63	54	40	45	34	43	34	48	49	34	23	27	30	29	45	43	30	22	30	24	36	34	28	34	24	24	38.5
Martinsburg	Maximum	69	74	50	58	65	82	83	67	62	62	60	66	57	69	55	65	69	74	71	47	57	56	61	64	71	63	45	60	61	64	68	63.7
	Minimum	50	50	47	50	55	57	49	53	39	38	37	39	52	42	28	31	38	40	44	44	38	28	29	34	40	40	31	37	34	33	36	40.7
Morgantown	Maximum	73	74	62	74	83	81	80	64	60	57	58	71	69	68	61	64	71	76	69	57	57	56	62	61	72	66	50	57	58	63	71	66.0
	Minimum	62	57	50	51	50	64	58	47	48	39	43	36	48	49	34	26	33	39	40	43	40	36	26	45	47	40	36	29	39	30	38	42.7
New Martinsville	Maximum	77	75	71	76	84	84	79	69	60	59	60	72	64	71	62	66	71	78	70	55	61	57	65	63	75	65	56	61	60	65	75	67.9
	Minimum	57	57	56	53	56	66	59	44	49	41	46	37	51	50	38	31	30	38	37	45	45	32	29	37	42	40	33	27	35	28	30	42.5
Parkersburg	Maximum	76	75	64	78	82	84	78	62	60	57	57	70	58	71	55	64	71	76	68	53	62	56	62	63	75	60	51	63	58	65	73	66.0
	Minimum	58	59	58	56	59	66	58	53	49	44	47	42	52	50	38	32	34	39	38	45	45	36	30	44	44	44	36	30	37	32	34	44.8
Pickens	Maximum	67	70	71	70	71	69	72	62	60	56	50	61	55	52	47	52	55	70	65	49	51	41	53	55	44	42	50	56	54	52	54	57.3
	Minimum	39	42	47	49	47	45	49	34	33	34	34	38	39	28	28	20	23	29	34	33	32	22	20	28	31	27	22	27	35	20	35	33.0
Point Pleasant	Maximum	72	75	72	78	82	84	82	77	62	57	59	69	68	70	71	62	69	73	74	69	61	61	65	65	74	73	62	62	62	63	72	69.2
	Minimum	57	56	62	60	60	67	65	49	51	47	50	44	53	49	41	32	37	39	39	50	46	38	31	43	43	42	40	31	37	32	35	46.0
Rainelle	Maximum	73	74	73	77	80	80	79	67	63	52	59	63	59	65	60	66	71	80	74	62	55	55	64	57	71	59	51	52	59	67	68	65.6
	Minimum	54	44	50	59	52	59	50	41	44	42	34	35	48	43	34	23	24	29	34	43	40	27	21	26	34	32	34	24	37	22	25	37.5
Romney	Maximum	76	78	66	61	70	85	88	71	59	62	65	68	66	70	65	70	75	81	79	67	58	59	69	69	76	74	57	60	60	72	76	69.4
	Minimum	52	52	50	47	53	57	57	50	46	36	37	35	51	53	39	25	34	34	38	42	43	32	27	31	43	39	40	26	44	31	29	41.1
Spencer[3]	Maximum	75	75	71	79	82	83	80	65	60	59	60	69	58	69	58	65	70	79	70	52	62	58	64	62	73	61	51	60	59	65	74	66.7
	Minimum	58	58	55	59	55	56	60	49	46	46	45	38	52	48	38	27	30	32	35	46	44	31	27	35	39	38	32	25	31	27	29	41.6
Sutton	Maximum	76	76	74	78	82	84	84	72	69	67	62	68	68	68	68	68	71	80	80	73	58	60	60	60	72	72	64	60	60	71	74	70.3
	Miuimum	57	59	58	62	56	65	55	47	51	58	46	39	50	50	37	30	30	34	36	48	45	38	30	32	39	34	28	30	28	30	30	43.1
Wardensville[3]	Maximum	74	77	50	63	74	81	83	70	63	62	63	56	68	61	67	72	80	74	47	58	58	42	69	73	65	50	60	61	70	70	65.4
	Minimum	48	48	48	45	50	56	47	43	46	33	34	31	41	51	34	23	28	32	36	43	41	30	22	28	31	38	38	23	43	28	27	37.6
Weston	Maximum	75	80	66	78	85	84	83	66	60	62	63	70	68	70	58	68	71	80	72	55	60	62	68	65	75	64	50	62	62	68	76	68.6
	Minimum	59	59	60	58	58	67	60	48	52	48	46	39	51	50	43	29	30	35	38	50	51	35	30	36	41	44	42	38	46	30	30	45.3
Wheeling[2]	Maximum	77	70	57	76	82	83	75	66	65	57	59	73	67	71	55	65	73	79	67	51	60	57	64	62	73	61	50	61	58	65	73	66.2
	Minimum	54	57	52	47	49	56	66	47	50	46	47	41	42	51	38	32	32	34	36	41	45	36	30	31	41	41	38	30	32	33	32	42.3
Williamson[3]	Maximum	76	78	81	82	81	83	82	70	60	60	64	64	57	69	63	66	69	76	73	54	61	58	66	70	73	64	54	62	60	69	75	68.4
	Minimum	60	57	56	60	63	63	64	52	52	51	42	42	45	47	41	37	37	38	41	45	47	40	35	35	43	44	38	32	34	34	34	42.5

Daily Evaporation (inches) and Wind Movement (miles) for October 1944

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.008	.066	.065	.094	.031	.051	.088	.107	.075	.018	.054	.012	.059	.009	.128	.058	.031	.038	.058	.084	.155	.115	.024	.047	.006	.048	.098	.070	.064	.048	.034	1.809
	Wind movement	12	15	20	10	8	21	37	22	21	33	36	10	19	29	102	26	20	11	19	37	40	52	15	27	11	32	65	69	82	18	18	937
Wardensville	Evaporation	.027	.103	.102	.046	.033	.084	.090	.453	.192	.010	.006	.046	.055	.008	.206	.132	.087	.077	.109	.100	....	.061	.092	.057	.064	.154	.036	.026	.156	.109	.089	2.904
	Wind movement	24	13	31	40	20	44	22	50	19	17	15	13	10	18	48	52	24	15	17	30	35	41	14	26	12	8	68	64	74	39	17	920

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—12-1 44—925)

UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

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VOL. LII NOVEMBER 1944 No. 11

GENERAL SUMMARY

The temperature averaged slightly below normal. With the exception of the northern panhandle, the central part of the northern division, and a few places in the northeastern panhandle division, all stations recorded minus departures in temperature. The cold periods were 6-8th; 12-13th; and the 25-26th. Warm periods were: 1-4th; 9th; and the 14-16th. No below zero temperatures were reported.

Precipitation averaged 2.22 inches or 0.51 inch below normal. The number of stations reporting plus departures were few and widely scattered. The northeastern panhandle division had 75% of normal precipitation, the northern division 85%, and the southern division 78%. The number of rainy days was 12, which was rather large for this month. Snowfall for the month averaged 2.4 inches or exactly normal. Snowfalls in the mountain sections during the period 20th to 24th gave the highway department considerable work, especially the cinder crews. The greatest monthly snowfall was 16.0 inches at Stony River Dam. The greatest number of snow-lying days was 10 at Pickens.

It was a fairly good month for outdoor work. Corn husking made steady progress. Winter grains made some growth and good stands were quite generally reported. Farm butchering became quite general in the third decade. Trees and shrubbery became dormant and farm work was on winter routine by the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 72 stations, was 42.5°, or 0.7° below the normal. The mean for the northeastern panhandle division was 42.6°; for the northern division, 42.4°; and for the southern division, 42.7°. The highest monthly mean was 47.0° at Inwood, and the lowest, 35.3° at Pickens. The highest temperature was 79° at Charleston Airport and Glenville on the 2d, and the lowest, 5° at Bayard on the 26th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 125 stations, was 2.22 inches, or 0.51 inch below normal. In the northeastern panhandle division the average was 1.61 inches; in the northern division, 2.52 inches; and in the southern division, 2.08 inches. The greatest monthly precipitation was 4.47 inches at Pickens No. 2, and the least, 0.87 inch at Brushy Run. The greatest amount in any 24 consecutive hours was 1.90 inches at Greenbottom on the 26-27th. The average monthly snowfall was 2.4 inches, or exactly normal. The greatest monthly snowfall was 16.0 inches at Stony River Dam. The average number of days with 0.01 inch or more of precipitation was 12.

ERRATA

September, 1944: Pages 36 and 37: Gary, total precipitation, 2.09; departure, −0.90.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense		21	14	5			4			1		43	41	1	5	2	3	5	10	3						2		1	1		
Frosts, killing																															
Gales					4	1									1	1				1	4	1		2						10	
Hail																															
Halos, lunar																										1			1		
Halos, solar						1	1	1																	1						
Sleet					1											1	3	2	1	1	1		1	1							
Thunderstorms	5							1				1	1																	1	

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.40	6	29.65	9	7.3	21	w.	30	87	65	73	34	611
Columbus, Ohio	30.39	25	29.65	15	8.9	31	sw.	30	85	67	75	29	637
Elkins	30.50	2	29.70	10	7.0	30	w.	30	92	71	83	26	750
Huntington Airp't.	30.40	2	29.70	15	.....	20	sw.	30	87	65	78	....	650
Parkersburg	30.41	2	29.65	15	6.4	22	sw.	30	88	64	73	25	629
Pittsburgh, Pa	30.36	2	29.64	15	9.9	27	sw.	9	88	67	76	28	668

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	.....	8	..	..	..
1892	41.7	81	3	2.64	5.59	2.79	3.10	.....	..	..	..	..
1893	41.4	74	3	2.44	2.27	1.77	2.12	.....	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	.....	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	.....	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	.....	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	.....	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	.....	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37.3	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1.84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1.5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
1941	44.3	80	6	2.31	2.40	2.17	2.31	.2	7	14	6	10
1942	44.7	80	9	2.12	4.49	3.65	3.81	.2	12	8	8	14
1943	41.1	83	2	1.73	2.37	1.98	2.12	2.3	7	11	8	11
1944	42.5	79	5	1.61	2.52	2.08	2.22	2.4	12	7	6	17
Period	43.2	88	−14	2.16	2.96	2.65	2.73	2.4	9	11	6	13

Climatological Data for November 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	37.9	−1.2	70	9	5	26	1.82	−1.18	0.50	30	6.5	10	9	5	16	.....	Howard R. Fulk
Brandywine	Pendleton	1,586	28	41.0	−1.0	74	15	10	19	1.07	−0.71	0.58	27	T.	4	10	1	19	n.	E. L. Keister
Great Cacapon	Morgan	500	....	43.0	.....	73	8	12	26	1.83	.....	0.63	27	T.	5	12	5	13	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	2.73	+0.54	0.92	28	0.0	8	....	..	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	11	47.0	.....	76	8†	20	25	1.35	.....	0.80	29	T.	3	12	10	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	14	44.4	−0.6	73	8	18	26	2.02	−0.58	0.92	27	0.0	7	6	16	8	w	University Exper. Station
Martinsburg	Berkeley	435	52	43.0	−0.2	73	8	18	25	1.57	−0.68	0.77	27	T.	6	6	4	20	nw	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	10	43.2	+0.9	77	8	10	26	1.33	−0.22	0.30	27	T.	7	5	7	18	w.	R. E. Saville
Piedmont	Mineral	1,053	30	42.7	+0.5	74	8	18	26	1.67	−0.22	0.61	20	T.	7	7	3	20	w.	C. A. Suter, Jr.
Romney	Hampshire	824	45	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Miss Anna Lee Keister
Stony River Dam	Grant	3,300	12	.....	.....	.....	.....	.....	.....	3.86	+0.91	0.80	16	16.0	13	7	3	20	.....	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	26	42.2	−1.7	76	8	12	26	1.05	−0.58	0.32	28	T.	6	...	.....	.....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 mile	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	2.58	−0.76	0.57	27	4.4	16	4	6	20	w.	L. Esle Bond
Benson	Harrison	1,080	19	42.8	−0.3	76	2	19	25†	2.44	−1.05	0.55	27	3.5	16	7	5	18	.....	R. D. Marts
Bens Run	Pleasants	652	43	42.7	−1.4	68	3	24	7†	2.58	−0.31	0.50	20	T.	14	12	12	6	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	39.1	.....	72	9	13	25	2.72	.....	0.52	27	T.	11	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	20	46.2	+1.6	76	1†	19	7	2.60	−1.07	0.55	27	2.0	13	8	7	15	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	53	42.8	+0.6	68	9	22	25†	2.64	−0.46	0.55	27	3.0	14	8	4	18	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	44.2	+0.5	77	3†	19	7	2.99	+0.11	0.55	10	1.0	14	4	8	18	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	39.8	−3.0	71	2	21	25†	1.99	−1.20	0.56	27	T.	10	7	3	20	w.	Clarksburg Water Board
Creston	Wirt	640	43	45.6	+1.4	78	5	19	8	2.39	−0.36	0.75	27	1.5	9	8	8	14	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	42.2	.....	76	2	22	26	1.77	−1.38	0.34	27	T.	15	7	6	17	sw.	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	2.02	−0.36	0.36	10	0.0	14	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	1.78	−1.51	0.33	27	T.	12	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	1.44	−1.20	0.36	10	T.	12	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	2.01	−0.59	0.58	20	0.0	10	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	34	.....	.....	.....	.....	.....	.....	2.72	+0.18	0.55	27	.....	9	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	45	40.0	+0.7	70	8	17	30	2.32	−0.46	0.35	27	3.7	18	5	2	23	nw.	U. S. Weather Bureau
Fairmont	Marion	883	52	42.7	−0.2	78	1†	21	26	1.67	−1.09	0.38	27	4.2	13	7	3	20	w.	J. C. Robinson
Glenville	Gilmer	738	56	44.7	+0.4	79	2	20	7	2.92	−0.13	0.42	27	0.0	15	4	11	15	w	Howard R. Brannon
Grafton	Taylor	1,050	50	44.9	+1.8	77	2†	17	26	2.08	−0.35	0.50	28	0.2	11	9	4	17	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	41.8	.....	75	1	19	25	1.82	.....	0.54	27	T.	15	6	4	20	w.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	2.68	.....	0.47	10	0.8	16	5	4	21	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	2.98	−0.34	0.57	27	T.	14	8	6	16	.....	Mrs. Ova Lester
Mannington, 1½ mi. NW	Marion	974	42	42.0	0.0	74	1	16	25†	2.10	−0.94	0.51	20	1.9	17	6	4	20	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	3	41.6	.....	76	2	18	7†	2.01	.....	0.46	10	T.	13	5	8	17	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	68	44.3	+0.5	75	2	21	30	1.79	−0.74	0.34	20	T.	15	8	7	15	w.	State Dairy Farm
New Cumberland	Hancock	671	49	43.8	+2.2	75	3	18	26	2.06	−0.26	0.63	16	T.	12	2	4	24	nw	C. O. Valentine
New Martinsville	Wetzel	637	51	44.4	−0.4	76	2	22	25†	2.31	−0.53	0.60	10	T.	12	11	4	15	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	44.0	+0.2	74	2	24	30	1.85	−0.72	0.44	9	0.5	13	5	5	20	se	U. S. Weather Bureau
Parsons	Tucker	1,649	45	40.6	−0.6	72	8	19	26	3.02	+0.09	0.58	27	3.0	15	2	8	20	w.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	2.39	−0.54	0.43	27	1.5	15	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	35.3	−5.1	67	2	6	25	4.21	−0.01	0.78	10	13.8	19	6	4	20	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	2.58	−0.79	0.50	27	0.5	13	9	0	21	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	42.8	....	75	3	20	26	2.91	−0.64	0.58	27	0.2	13	....	..	.....	.....	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	3.07	+0.27	0.68	17	0.0	10	.....	.....	.....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2,559	47	38.6	−2.0	77	2	10	26	3.02	−0.18	0.60	27	10.0	13	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2,950	15	.....	.....	.....	.....	.....	.....	3.26	+0.27	1.01	27	8.5	14	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	20	44.5	−0.5	77	2	21	7†	2.68	−0.59	0.54	27	2.0	15	6	7	17	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	43.0	+1.2	74	1†	18	26	2.70	+0.13	0.49	16	T.	8	7	1	22	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	2.29	−1.32	0.60	27	1.0	14	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	53	44.9	+0.9	77	3	22	7†	2.60	−0.34	0.40	27	1.0	15	1	12	17	.. ..	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	43.6	+1.4	75	1†	25	26	2.27	−0.16	0.52	16	T.	14	3	4	23	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2,727	21	.....	.....	.....	.....	.....	.....	1.95	−1.13	0.93	27	7.0	9	5	11	14	sw.	H. S. Sutton
Athens	Mercer	2,600	4	42.0	.....	70	8	17	25	1.53	....	0.41	20	0.0	13	10	4	16	nw.	Concord College
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Post-Herald
Bluefield	Mercer	2,558	49	43.6	−1.3	70	8	21	30	2.94	+0.89	.....	....	11.2	16	10	5	15	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	6	43.8	.....	79	2	21	7	1.84	.....	0.49	20	T.	13	7	2	21	ne.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	....	36.3	.....	68	8	7	25	3.11	.....	0.91	27	15.5	17	5	5	20	w.	Department of Justice
Flat Top	Mercer	3,270	6	37.4	.....	68	8	13	25†	2.34	.....	0.49	27	12.9	14	6	11	13	nw.	U. S. Airway Station
Gary	McDowell	1,426	27	43.0	−2.0	71	2	19	8	2.33	−0.37	0.64	28	0.0	10	....	..	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	44.4	.....	77	2	21	6	2.98	.....	1.90	27	0.1	13	4	5	21	w.	State Forest Nursery
Hamlin	Lincoln	641	1	42.3	....	77	2	17	7	1.94	.....	0.42	27	0.0	11	10	6	14	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	55	43.0	−1.1	77	8	21	24	1.85	−0.56	0.40	27	0.0	9	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	46.7	+2.4	78	2	24	7	2.44	−0.08	1.00	27	0.7	14	5	7	18	nw.	H. N. Robinson
Kayford	Kanawha	1,335	27	.....	.....	.....	.....	.....	.....	2.69	−0.46	0.60	10	2.0	7	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	50	39.4	−2.5	69	1†	13	7	1.90	−0.58	0.71	27	1.8	10	5	7	18	w.	James B. Stuart
Logan	Logan	700	31	46.1	−1.2	77	1†	24	7†	2.03	−1.20	0.40	20	0.0	10	8	6	16	.....	Paul A. Simonds
London Locks	Kanawha	623	9	45.8	....	75	1	25	25	2.63	.....	0.71	22	0.0	12	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	23	.....	.....	.....	.....	.....	.....	1.70	−0.95	0.30	30	0.0	15	5	17	8	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	2	42.4	.....	70	1†	17	7†	1.78	.....	0.40	9	0.0	13	8	2	20	.....	M. H. Martin
Pineville	Wyoming	1,350	2	45.2	.....	78	12	19	7	2.20	....	0.55	20	0.0	11	9	3	18	.....	Charles Dameron
Point Pleasant	Mason	595	54	46.2	+0.9	73	3	24	7	1.70	−1.13	0.62	27	0.0	10	.....	.....	.....	e.	E. C. Winger
Rainelle	Greenbrier	2,424	13	39.0	−1.3	72	8	14	25	2.95	−0.04	0.53	20	13.0	19	7	1	22	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	41.0	−4.7	75	3	19	7	1.82	−0.90	0.71	27	1.0	9	4	4	22	nw.	Lockmaster
Richwood	Nicholas	2,193	13	40.2	−2.2	68	1†	17	25†	2.44	−0.45	0.70	11	0.0	9	11	5	14	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	2	44.3	.....	76	2	20	7	2.20	....	0.90	27	T.	7	5	5	20	nw.	Pfost Greenhouses
Ryan	Roane	700	41	43.1	−0.3	77	2	16	7	1.90	−0.97	0.49	20	2.0	12	8	5	17	...	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	5	37.2	.....	69	1†	10	25	2.31	....	0.93	27	6.3	8	8	3	19	w.	Supt., State Forest
Spencer	Roane	789	45	43.8	−0.3	74	2	19	7	2.30	−0.37	0.50	27	0.0	14	6	4	20	.....	A. M. McKown
Summersville	Nicholas	1,900	8	39.6	.....	71	1†	14	7	2.31	.....	0.40	10	T.	10	6	9	15	.....	A. E. Dorsey
Sutton	Braxton	850	41	45.7	+1.7	75	3†	20	7	2.33	−0.87	0.43	20	1.0	15	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	40	39.2	−3.2	69	8	15	7†	1.65	−0.69	0.45	27	1.0	9	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	12	44.2	.....	75	3	22	7†	1.49	.....	0.25	20	T.	10	7	8	15	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	30	42.6	+0.5	72	8†	13	25	2.12	−0.16	0.97	27	1.5	11	3	6	21	w.	Ashford General Hospital
Williamson	Mingo	673	43	46.5	+0.9	75	1	24	8	2.33	−0.49	0.59	21	T.	14	9	2	19	se.	J. E. Dotson
Winfield Locks	Putnam	571	6	44.6	...	76	2	25	6†	1.74	.....	0.61	27	T.	15	6	6	18	sw.	Lockmaster
State averages and extremes		.....	...	42.5	−0.7	79	2	5	26	2.22	−0.51	1.90	27	2.4	12	7	6	17	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Figures and letters after name of station indicate distance in miles and direction from place named. Reference letters indicate number of days missing; for example, ° one day, " two days etc. † Also on other dates. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for November 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac					T.	T.				.19					.08	.24	.13	.04		.04	.20	T.	.30				.10		T.	.50		1.82
Brandywine	do					T.					.24					T.	T.				.22	.03						.58		T.	T.		1.07
Brushy Run[2]	do		.05			.02					.07						T.	.02			.23	.03			.05			.06	.13		.21		0.87
Harpers Ferry[2]	do					.03					.20	.05			.14	.40												.14	.92		.85		2.73
Inwood	do																				.25							.80		.80	T.		1.35
Kearneysville	do				T.						.24					T.	T.				.25	.02						.92	.05	.05	.49		2.02
Knobly Mountain[2]†	do						T.										.14	T.			.34	.20	T.	T.	T.	T.		.51	.09		T.		1.28
Martinsburg[4]	do									.02	.17										.34		T.		T.		T.	.77		.26	01		1.57
McNeill†	do	.10			.05	.08					.27					.28					.25	T.		T.				.30			T.		1.33
Petersburg	do										.27					.06	.03				.27			.05				17		.02	.29		1.16
Piedmont	do	T.									.02					.01	.32				.61	.10						55	.06		T.		1.67
Romn	do																																
S[illegible]	do		T.			.32	.22	.04			.30	.13					T.	.07	.04		.12	.09	06	.04	.08			.37	.26		.02		2.16
[illegible]ver Dam[2]†	do					.18					.06	.12				.40	.80		T.		.33	.10	.16	.15	.08	T.		.68	.32		.48		3.86
[illegible]ardensville[2]	do							T.			.12	T.									.18	.04			T.			.16	.32		.23		1.05
Northern Division																																	
Aberdeen†	West Fork	T.			.07	.07	T.			T.	.22	.08				.17	.13	.12	.02		.40	.08	.02	.13	.15		T.	.57		.02	.33		2.58
Belington[2]	Tygart		.04			.10	.01	T.			.19	.05				T.	.05	.35	.07	.01	.14	.28	.01	.05	.24	T.		.17	21		.23		2.20
Benson†	West Fork				.15	.04				.02	.10	.19				.02	.25	.12			.35	.15	.02	.12	.06			.55		.15	.15		2.44
Bens Run	Ohio				.12					.23	.29	.02				.15	.28	.03			.50	.03	.03	.15				.43		.20	.12		2.58
Big Skin Creek†	West Fork				.11	.07				.06	.14					.10	.25	.10	T.		.42	.14	T.	.13				.67		.17	.15		2.51
Brandonville[2]	Cheat					.24	T.				.42	.10				.18	.08	.14	.07		.25	.46		T.	T.	T.		.52			.26		2.72
Brownsville†[2]	West Fork				.08	.15					.24					.24	.15	.09			.37	.26		.13	.10			.55		.02	.22		2.60
Buckhannon	Tygart	T.			.14	.10				T.	.25	.10				.15	.15	.04	.15	.15	.25	.15	T.	.14				.55		.32			2.64
Cairo	Litl.Kanawha				.04	.02					.55	.04					.28	.12			.47	.14		.38	.11		.20	.35	.06		.24		2.99
Clarksburg[2]	West Fork				T.	T.	.10				.15	T.				T.	.08	.15			.30	.19	T.	.02	.15			.56			.29		1.99
Crawford	do				.09	.04				.04	.12	.15				.23	.09	.07	.01		.42	.32		.13	.12			.43		.03	.28		2.57
Creston[2]	Litl.Kanawha		T.								.40	T.					.10	.10			.33	.23		T.	.20			.75	.05		.23		2.39
Dailey[2]†	Tygart					.42	.14	T.			.31	.05	.04			.16	.04	.29	.04	T.	.15	.17	.03	.04	.21			.09	.12		.03		2.33
Dam 10, Mon. R.[2]†	Monongahela					.16	.02				.30	T.	T.			.10	.08	.01	.04		.20	.21	.03	.01	.04			.33	.01		.28		1.77
Dam 13, O. R.[2]†	Ohio					.23					.36	.02				.09	.27	.05	.03		.20	.15	.04		.02			.21	.12		.23		2.02
Dam 15, Mon. R.[2]†	Monongahela					.18	.02				.27	T.				.08	.03	.03	T.		.25	.20	.02	T.	.06			.33			.31		1 78
Dam 19, O. R.[2]†	Ohio					.04					.36	.01				.10	.03	.10			.23	.07	T.	T.	.12			.28	.05		.05		1.44
Dam 20, O. R.[2]†	do					.05					.37	T.				.07	T.	.12			.58	.12	T.	T.	.18			.42	.03		.07		2.01
Elizabeth (Dam 3)[2]	Litl.Kanawha										.52	.05					.22				.38	.28			.22			.55	.12		.38		2.72
Elk†	West Fork											.25				.20	.40				.40	.30						.88			.25		2.68
Elkins[1]†	Tygart	.17			.08	.06	T.			.06	.29	T.			T.	.23	.25	.09	.01	.03	.32	T	.01	.11	.01		.06	.29	T.	.12	.13		2.32
Fairmont[2]	Monongahela	T.				.18					.32	.05				.08	.04	.05	.02			.19	.02		.08			.36	.02		.26		1.67
Glenville[2]	Litl.Kanawha					.12	.08				.41	.08				.04	.21	.16	.06		.30	.33		.16	.21			.42	.10		.24		2.92
Grafton	Tygart					.10	T.				.19	.03				.15	*				*	*		.36	.48			.50			.27		2.08
Hackers Creek †	West Fork					.16					.10					.28	.21	.08			.15			.01	.05			.59		.10	.04		1.77
Hall[2]	Tygart					.10	T.	T.			.24	.08	T.			.02	.17	.33	06	T.	.27	.19	T	.03	.26	T.		.26	.19		.24		2.44
Harrison Co. Airport[4]	West Fork	T.			.06	.03				.08	.13			.01	.13	.08	.01	T.	.12	.30	T	T.	.10	T.		.43	.11		.20	.03		1.82
Hastings	Ohio				.07	.05				.03	.47	.04			.13	.12	.22	.02		.45	.10	T.	.04	.10			.42		.02	.40		2.68
Horner	West Fork				.10						.20	.22			.20	.25				.15	.25		.10	.12			.70		.15	.20		2.64
Ireland	do	.21			.17						T.	T.		.12	.22					.33	.42	.09	.20				.13		.26	.18		2.33
Jane Lew	do				.26	T.	T.	.10			.06	T.		.06	T.	.25	T.	.04		.55	.09	T.	.16	.42		T.	.57	.11	.04	.27		2.98
Kumbrabow St. For.†	[2]Tygart		.05		.05	.49	T.				.65	.29			.18	.21	.15			*	.55			.31			*	.74	*	.60		4.27
Mannington	Monongahela				.11	.01				.05	.22	.02			.08	.06	.05	.01		.51	.06	.03	.06	.05			.45		.03	.30		2.10
Middlebourne[2]	Middle Is. Creek					.10					.46	.04			.08	.13	.02	T.		.03	.42	.03	T.	.13			.29	.03		.25		2.01
Midvale[2]†	Tygart		.15		.20	T.	T.				.35	.12	T.		.04	T.	.34	.05	.02	.22	.30	.04	.02	.10	.20			.15	.26		.24		2 80
Morgantown	Monongahela				.19	.02					.27	.01			.13	.01	.03	.04		.34	.08		.03	.03				.33		.04	.24		1.79
Mt. Clare	West Fork				.12	T.					.24		T.	T.	.15	.25				.55		T.	.13				.57		.13	.04		2.18
New Cumberland	Ohio				.16	.03				.08	.21				.04	.59	.02		.28		.14	.01						.33			.17		2.06
New Martinsville	do				.16	.02				.20	.40	T.			.08	T.	.06			.45	T.	T.	.04	.04		T	.50		.08	.28		2.31
Parkersburg[1]†	do	T.			.06	T.	T.			.41	.01	T		T.	.11	.29			.17	.16	.02	T.	.13			.20	.13		.09	.04		1 85
Parsons	Cheat				.08	.08	T.				.36	.03			.23	.23	.21	.02	T	.40	.20	T.	.16	.10			.58	.03	T.	.31		3.02
Philippi[2]	Tygart					.15	.06	T.			.22	.04	T.		.01	.17	.32	.04	T	.24	.28	T.	.05	.17			.28	.15		.21		2.89
Pickens	do	.17			.23	.22	.07			.18	.78	.22		T.			.20	.15		.44	*	*	*	.76	.02		.55	.10	.05	.07		4.21
Roanoke	West Fork					.20				T.	.20	.05			.15	.10	.08	.03		.45	.20		.12	.15			.50			.35		2.58
Rockford †	do				.09	T.	T.			T.	.25	.05			.09	.32	.14	.03		.45	.01	T.	T.	.30		T.	.54			.31		2.61
Rowlesburg[2]	Cheat					.18	T.	T.			.31	.12	T.		.11	.05	.18	T.		.35	.50	T.	.02	.02	T.		.58	.26		.23		2.91
Saint Marys[2]	Ohio					.08					.46				.16	.08	.68			.63	.18			.16			.30			.34		3.07
Salem	West Fork	T.			.11	.04				.08	.12	.08			.06	.52				.51	.05		.18	.05		.01	.49		.03	.29		2.62
Shinnston	do	.18			.07	T.					.20				.30	.50	T.			*	*30*		*10*				.40		.10	.20		*2.55*
Terra Alta†	Cheat				.15	.05					.45	.20			.15	.05	.40	.05		.30	.20		.20				.60			.22		3.02
Thomas[2]	do					.30	T.				.23	.15			.05	.25	.45	.07		.15	.05	.06	T.	.24			.55	.46		.25		3.26
Valley Chapel	West Fork				.12	.02					.28	.10			T.	.28	.13	T.		.42	.15	.02	.10	.17		05	.54	T.	.05	.25		2.68
Valley Head[2]	Tygart		.02			.15	.02	T.			.21	.11	T.			.01	.22	.02		.10	.20	28	T.	.19	T.			.21	.28		.20		2.22
Vandalia †	West Fork				.08	.09					.04				.35	.11	.10			.43	.11		.20	.08			.43		.03	.23		2.28
Wellsburg (near)	Ohio				.20	T.					.40				.32	.49	T.	T.		.29	.38		T.				.37			.25		2 70
West Milford	West Fork				.10	.05					.21				.17		.12	.05		.40	.06	.04	.10	.10			.60		.04	.25		2.29
Weston[2]	do					.11	.02				.22	.12	T.		.03	.12	.28			.23	.32	.04	.05	.28	T.		.40	.14		.24		2.60
Wheeling (Dam 12)[2]	Ohio					.22					.43	.04			.11	.52	.03	.03		.16	.14	.01		.01			.27	.05		.25		2.27
Southern Division																																	
Arbovale[2]	Greenbrier				T.	.03				.15	T.				.08	.08	.06			.20	.10			T.			.93		T.	.32		1.95
Athens	New				T.	T.				.01	.14				.08	T.	T.		.06	41	.02	T.	.14	.04		.01	38	.05	.07	.12		1.53
Beckley[2]	New																																
Bluefield	New	.09				.02				T.	.22	.02			.14		.01		*	1. 08	.20	.02	*	.40		*	.50	.04		.20		2.94
Camden-on-Gauley[2]	Gauley					.10	.08				.31	.11			.02	.05	.10	.02		.15	.21	.08	.01	.22	T.		.14	.21		.20		2.01
Charleston	Gr. Kanawha																																
Charleston (Airport)[4]	do	.04			.02					.36	.02					T.	.04			.08	.33	T.		.14	.05		.15	.16		.17	.08		1.84
Clay[2]	Elk																																
Flat Top[4]	New	.22			T.	T.				.27	.14	.02				.11	.04	T.		.52	.12	.05		.19	.03			.49		.24	.10		2.34
Gary[2]	Big Sandy										.40	.01				.02	.10				.50	.14			.28			.02	.64		.22		2.33
Gr	Ohio	.09			.07					.12	.11	.02				.15	.03			.05	.32	.03			.08			1.90			.01		2.98
[illegible]	New	.03	.20								.20					T.			T.	.38	.17	.03	.14			T.	T.	.40		.30		1.85
[illegible]ogsett[2]	Ohio	.02				.08					.23	02				.05	.05	.02			.45	.13	.05	T.	.08		.05	.93	.02		.01		2.19
Huntington	do	T.			.11					.17	.19	.01				.18		.06		.08	.30	.13	.03	.05	.03		T.	1.00			.10		2.44
Kayford[2]	Gr. Kanawha										60										.45	.40		.38				.41		.32	.13		2.69
Lewisburg	Greenbrier					T.				.08	.11					T.		T.		T.	.47	.03	.04	.16				.71	.04	.08	.18		1.90
Logan[2]	Guyandot		T.		T.	T.					.41		.03			.03		.09			.40	.25			.20			.15	.15		.32		2.03
London Locks[2]†	Gr. Kanawha	.04				.02					.42	.09					.04	.09			.25	.25	.71		.37			.04	.31				2.63
Madison[2]	Coal		.05				.03					.03	.01				.02	.08	.01		.28	.26	.01		.30		.01	.23	.08		.30		1.70
Oak Hill[2]	New									.40	.10						.01	.10		.10	.10	.20		.15		.05	.25	.05	.15	.12		1.78
Pineville[2]	Guyandot										.51	.05				.07					.55	.14	T.	.03	.26			28	.10	.06	.15		2.20
Point Pleasant[2]	Ohio	.12									.25	.02				.05		.04			.44	.02		T.	.04			62			.10		1.70
Princeton[2]	New	.02									.24	T.				.10					.48	.09						.68		T.	.18		1.79
Rainelle	Greenbrier	02			.05	.02				.08	.33	.12				.07	.13	.12	T.	.06	.53	.19	.03	.17	.15			.42	.02	.07	.37		2.95
Ravenswood[2]	Ohio										.17	T.				.04	.04	.15			.36	.14			.13		T.	.71			.08		1.82
Richwood[2]	Gauley			.01								.70					*	*	.28		.31	.35			.33				.46				2.44

Continued on next page.

Daily Precipitation for November 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio				T.					.25	.20	T.				.14	T.	T.			.45	T.	T.	T.			.12	.90		.14			2.20
Ryan	Gr. Kanawha					.05				.12	.27						.08				.49	.06		.05	.08		.05	.33		.12	.20		1.90
Seneca State Forest†	Greenbrier					.03					.31					T.					.40	.18		.05				.93		.10	.31		2.31
Spencer [2]	Litl.Kanawha					05	T.				.39	.05				.05	.19	.09	T.		.29	.21		.04	.15		.01	.59	.05		.23		2.30
Summersville [2]	Gauley					.06					.40	.25					.10	.05			.28	.39	T.	T.	.10			T.	.35	T.	.33		2.31
Sutton	Elk				.06	.08	.05			.06	.34	.05				.12	.10				.43	.12		.06	16		T.	.32		.06	.32		2.33
Union [2]	New										.20					.10	.05				.20	.10			.15			.15	.45		.25		1.65
Wayne [2]	Twelvepole	.01									.40	.01				.01	.05				.39	.20			.22		.06	.78	T.		.07		2 20
Webster Springs	Elk	T.			.10	T.					.22					.18	.10	.09	T.		.25	.06			.16			.22			11		1.49
White Sulp'r Spgs	Greenbrier									.13	.15					.03				T.	.46	.08		.08	.01			.84	.13	.05	.16		2.12
Williamson [2]	Big Sandy					T.					.11	.36	.02				.08	.10	.02		.12	.59	.08	.10		.09		.06	.33	T.	.27		2.33
Winfield Locks [2]†	Gr. Kanawha		T.			.04					.25	.02	.01			.01	.09	.03			.26	.15	.01		.10		.01	.61	.04		.08		1.74

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for November 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	62	68	65	63	58	55	52	63	70	60	54	56	54	57	62	63	40	37	37	40	35	34	32	33	35	40	49	41	40	36	....	49.7
	Minimum	29	28	25	29	30	30	22	27	26	36	25	18	18	20	36	36	32	33	26	32	29	24	20	24	11	5	33	32	26	20	....	26.1
Beckley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bluefield	Maximum	65	64	65	62	59	*45*	60	70	69	55	46	*58*	63	60	62	61	42	45	*47*	45	39	33	*54*	35	35	47	54	46	42	37	..	51.3
	Minimum	54	46	52	47	*33*	24	26	36	49	44	40	27	*34*	34	49	40	34	34	*54*	34	30	30	*30*	29	22	34	*40*	34	37	21	....	35.9
Brandywine	Maximum	71	70	65	62	60	47	56	65	72	66	70	61	62	60	74	62	54	46	45	42	43	46	40	42	45	48	50	46	50	36	..	55.2
	Minimum	25	30	31	32	34	27	14	24	34	40	40	15	16	20	35	32	34	31	10	30	26	30	23	19	14	12	36	34	36	20	....	26.8
Buckhannon	Maximum	68	76	68	67	50	40	52	60	68	58	50	50	52	62	60	60	40	45	46	47	47	41	40	39	34	55	60	56	48	44	....	52.8
	Minimum	39	38	26	38	38	30	24	28	39	45	44	27	25	28	38	28	38	37	35	30	34	35	32	32	22	22	38	38	32	24	....	32.8
Cairo	Maximum	76	72	77	76	55	44	53	78	71	55	51	51	50	61	69	70	48	44	46	47	44	45	42	43	41	50	52	53	45	42	....	55.0
	Minimum	35	38	34	49	36	30	19	27	35	42	45	26	23	25	47	36	38	36	28	39	36	36	33	31	20	22	40	37	31	27	....	33.4
Charleston (Airport)	Maximum	77	79	78	59	46	47	61	75	58	52	56	57	53	69	71	49	44	46	48	45	44	44	39	43	40	59	53	45	43	38	....	53.9
	Minimum	42	43	40	42	27	22	21	31	38	45	31	29	29	32	47	40	36	29	29	32	47	41	39	36	41	30	36	25	24	32	....	33.7
Clarksburg [3]	Maximum	70	71	70	58	41	37	53	68	69	49	46	49	48	62	65	45	*40*	38	44	38	38	37	*55*	38	33	51	49	39	43	33	....	48.6
	Minimum	29	36	36	35	30	31	22	23	29	35	42	27	27	26	28	40	37	37	29	32	35	35	32	31	21	21	25	37	*32*	32	....	31.1
Cranberry Glades	Maximum	60	62	63	58	42	31	58	68	54	49	43	64	60	62	63	53	36	35	34	37	33	30	31	30	34	42	52	55	34	32	..	46.8
	Minimum	31	31	37	*32*	30	21	19	20	26	38	36	13	18	20	36	35	29	29	22	29	27	26	24	23	7	12	34	28	28	14	....	25 8
Elkins	Maximum	69	68	69	58	44	33	56	70	68	55	48	56	57	63	67	51	37	38	43	40	36	36	34	34	35	50	54	39	42	34	....	49.5
	Minimum	39	34	33	34	29	27	23	27	31	41	30	28	27	25	45	37	34	32	30	33	32	31	30	28	21	19	38	28	32	17	....	30.5
Fairmont [3]	Maximum	78	78	77	56	43	*39*	59	74	72	49	49	52	56	65	70	49	40	41	47	42	41	39	36	41	38	52	53	43	51	*56*	....	52.2
	Minimum	32	40	38	38	39	32	25	27	33	43	45	28	27	27	29	43	38	38	34	34	35	35	32	30	22	21	27	38	34	32	....	33.2
Flat Top	Maximum	55	60	62	56	38	36	57	68	55	43	44	60	58	61	59	40	32	43	35	35	30	30	32	29	31	42	49	44	36	28	....	44.9
	Minimum	47	45	46	37	25	20	20	44	41	38	26	18	30	37	40	32	29	29	29	28	27	25	24	15	13	29	32	30	28	13	....	29.9
Gary [3]	Maximum	70	71	72	63	42	45	65	76	58	50	51	64	58	62	64	48	41	53	47	44	39	38	40	37	58	*55*	57	49	45	33	....	53.2
	Minimum	34	40	37	37	37	27	20	19	28	38	44	29	32	32	32	41	39	37	29	32	35	35	32	33	23	24	36	38	35	32	....	32.9
Glenville	Maximum	76	79	78	63	53	45	62	73	66	59	52	59	64	68	73	63	48	43	46	46	44	40	39	44	40	49	53	49	45	44	....	55.4
	Minimum	37	38	35	39	37	27	20	28	33	41	45	29	28	29	47	40	39	38	29	39	37	36	34	33	21	23	45	*38*	30	25	....	34.0
Grafton	Maximum	75	77	77	75	56	42	47	73	73	72	49	53	56	64	68	62	60	57	49	52	53	39	61	70	40	49	51	51	47	48	....	58.2
	Minimum	33	35	34	35	33	27	19	26	36	43	40	22	22	24	44	41	39	42	36	34	40	29	27	26	18	17	44	34	27	22	....	31.6
Hamlin	Maximum	74	77	75	65	*44*	47	63	75	*60*	52	55	56	54	69	69	48	*44*	49	44	44	44	*47*	*45*	44	41	61	51	44	44	35	....	53.7
	Minimum	33	35	33	35	36	*23*	17	19	30	*44*	44	28	28	27	31	44	39	26	26	30	37	34	*22*	*28*	*26*	25	37	33	29	29	..	30.9
Huntington	Maximum	70	78	77	67	54	54	61	74	63	55	55	58	55	68	69	66	47	50	45	45	48	48	49	47	42	54	55	48	43	42	....	56.2
	Minimum	46	44	42	47	40	26	24	35	43	46	45	33	30	34	53	45	38	29	35	39	38	32	37	32	26	35	48	34	34	27	....	37.2
Lewisburg	Maximum	62	69	65	61	54	38	60	69	58	52	52	55	62	63	61	55	42	43	41	38	38	36	34	33	36	45	48	49	40	36	....	49.8
	Minimum	34	32	36	32	35	24	13	22	28	44	44	19	17	22	37	40	33	28	20	31	32	29	27	28	16	23	38	34	29	19	....	28.9
Logan [3]	Maximum	77	77	73	60	44	51	63	74	63	62	61	60	60	70	68	50	45	60	51	53	42	40	42	42	58	60	55	47	45	35	....	56.3
	Minimum	35	45	41	42	42	27	24	24	32	42	38	36	35	36	40	44	40	38	34	34	38	37	29	32	30	32	40	40	34	35	....	35.9
Madison [3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Mannington	Maximum	74	73	72	62	50	40	56	70	69	57	48	46	52	64	67	62	45	42	46	45	40	40	36	39	38	49	53	50	48	43	....	52.5
	Minimum	31	34	32	34	37	31	18	26	32	46	43	23	23	25	44	35	37	37	27	37	35	33	32	27	16	16	42	37	29	24	....	31.4
Martinsburg	Maximum	67	65	62	61	48	43	59	73	67	57	54	57	58	59	62	53	46	46	46	42	44	43	40	41	43	45	47	47	40	40	....	51.8
	Minimum	41	46	42	44	37	35	35	39	40	49	27	24	24	27	44	44	41	28	29	33	38	33	31	29	18	20	40	31	36	25	....	34.3
Morgantown	Maximum	73	75	72	63	47	36	53	70	72	58	46	51	64	61	66	59	46	41	46	45	40	40	38	38	37	54	54	50	50	45	....	53.0
	Minimum	54	49	49	45	33	29	27	37	55	44	41	25	25	28	48	41	36	35	31	35	32	32	30	27	23	24	45	36	31	21	....	35.6
New Martinsville	Maximum	75	76	75	65	51	47	58	70	69	57	49	47	50	61	69	64	41	42	46	46	46	44	41	42	42	48	56	46	45	43	....	53.7
	Minimum	38	41	38	41	37	32	23	30	40	45	45*	28	29	29	47	40	38	37	30	38	35	35	33	29	22	22	38	38	33	38	....	35.0
Parkersburg	Maximum	72	74	73	55	46	45	58	69	65	52	50	45	51	63	69	50	45	44	47	42	42	42	40	40	38	52	55	45	42	39	....	51.7
	Minimum	46	48	45	46	32	29	25	35	47	46	40	31	28	30	47	40	39	36	34	36	38	37	34	27	24	30	40	38	36	24	....	36.3
Pickens	Maximum	65	67	65	55	40	33	33	56	48	45	40	56	59	56	*65*	*55*	34	33	37	34	32	34	32	30	32	45	46	45	32	25	....	44.3
	Minimum	39	37	39	34	20	20	14	25	39	33	31	18	21	25	*40*	*34*	25	18	19	25	24	21	30	25	6	13	29	30	22	24	....	26.3
Point Pleasant	Maximum	72	71	73	71	62	47	55	69	69	56	52	52	51	66	71	67	50	47	47	48	44	49	42	41	41	51	54	51	47	43	....	55.3
	Minimum	45	46	43	48	40	25	24	34	41	49	46	30	28	31	53	44	40	29	31	41	37	37	36	33	25	30	49	36	35	28	....	37.1
Rainelle	Maximum	62	67	64	59	51	35	63	72	62	52	48	65	64	64	64	51	40	39	38	36	35	35	33	34	34	41	47	47	37	35	....	49.1
	Minimum	34	32	41	34	33	22	15	22	26	41	38	23	25	25	39	37	31	31	28	31	30	28	28	26	14	27	37	32	29	17	....	29.0
Romney	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer [3]	Maximum	73	74	73	59	45	45	59	69	57	51	53	52	55	67	67	69	47	45	47	43	45	44	44	42	38	56	56	44	45	32	....	53.2
	Minimum	50	46	37	43	37	24	19	28	42	47	43	24	25	26	50	40	37	35	28	38	35	35	34	30	21	25	40	36	30	30	....	34.5
Summersville	Maximum	71	70	70	59	37	58	47	71	62	48	58	66	60	64	66	43	42	40	43	40	38	37	34	37	38	54	53	43	42	30	....	50.7
	Minimum	35	31	29	33	34	19	14	32	30	36	35	26	22	22	36	32	37	32	22	33	30	30	29	27	17	18	33	31	27	26	....	28.6
Sutton	Maximum	74	74	75	75	61	52	60	70	70	61	55	57	62	67	67	67	48	47	47	47	45	47	47	44	44	54	54	52	46	46	....	57.2
	Minimum	41	38	36	39	38	26	20	27	32	46	45	32	29	29	46	40	38	36	31	38	36	35	34	33	21	23	45	37	30	26	....	34.2
Wardensville [3]	Maximum	72	70	64	72	47	43	62	76	70	58	56	59	58	65	73	54	44	44	42	42	42	41	39	41	42	54	48	45	40	38	....	53.4
	Minimum	38	35	39	36	39	32	24	28	31	36	46	27	20	22	27	42	41	39	25	26	36	34	28	29	18	12	21	40	27	32	....	31.0
Weston	Maximum	76	75	77	61	44	40	60	71	70	55	50	55	59	65	72	48	42	40	46	44	45	44	36	45	41	55	58	45	44	38	....	53.4
	Minimum	40	41	39	40	42	30	22	29	40	50	45	29	29	28	55	45	38	38	36	38	36	35	32	30	22	24	50	38	35	36	....	36.4
Wheeling [3]	Maximum	75	75	75	52	44	43	57	70	69	55	48	*45*	50	58	69	59	47	42	47	48	45	44	38	41	40	52	54	45	48	33	..	52.3
	Minimum	35	43	42	41	39	33	29	27	37	47	45	37	31	28	31	39	39	38	36	37	36	36	30	30	28	25	26	40	33	32	....	35.0
Williamson [3]	Maximum	75	*73*	72	60	45	47	62	73	69	60	57	57	61	67	67	66	49	50	50	46	43	43	41	42	43	59	61	51	41	*40*	....	55.7
	Minimum	37	44	43	43	42	27	27	24	31	40	48	46	36	36	38	48	46	41	37	32	41	39	35	34	33	28	37	*39*	40	27	....	37.3

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

551.05
UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LII DECEMBER 1944 No. 12

FEB 0 1945
UNIVERSITY OF ILLINOIS

GENERAL SUMMARY

The most noteworthy feature of the month was the heavy snowstorm of the 11-12th, which was the main contributing factor to the largest monthly total snowfall of record. The precipitation started with rain in most places followed by very wet snow and gradually, as the temperature dropped on the 12th, the snow became dry and light. This snowfall, at the wet, freezing stage, overloaded telephone and telegraph wires to such an extent that large sections broke and whole communities were isolated. Parkersburg was isolated from world news for a period of 18 hours. Radio Station WPAR, with all lines dead, signed off almost 2 hours early. Teletypes at the Parkersburg News, Western Union, and the U. S. Weather Bureau were out of order for several hours during the night. People living in the outlying sections of the cities, in villages, and on farms found themselves marooned by the drifts. Trains were hours late and bus schedules were cancelled. Practically all city and county schools were closed in the heavy snow areas. The telephone plant and communications of the Chesapeake and Potomac Telephone Company were damaged to the extent of approximately $250,000. 1,500 miles of wire were beyond repair, 900 cross-arms were broken and 500 poles were damaged. Many toll circuits in the State were out of order for several days following the storm. Rural power lines were considerably damaged. Highway traffic was greatly hindered and many accidents were caused by icy pavements. Damage to forest trees, especially the evergreens, was considerable. The greatest total snowfall for the month was 91.0 inches at Kumbrabow State Forest followed by 76.0 inches at Pickens No.2, 57.6 inches at Cranberry Glades, 57.0 inches at Rainelle and 54.0 inches at Bayard. The greatest number of snow-lying days was 31 at Bayard, Cranberry Glades, Kumbrabow State Forest, Pickens No. 2, and Spruce Knob. The West Fork River at Weston and Clarksburg, and the Little Kanawha River at Glenville were slightly above flood stage on the 26th. By the 27th, the Little Kanawha River was a very little above flood stage at Creston. The Ohio River at Parkersburg crested on the 28th at 26.7 feet, or about 9 feet under flood stage. Little or no damage was caused by these rises.

It was the coldest December since 1935, and the sixth coldest of record. Every station averaged below normal in temperature. Zero or lower readings were reported from 2 stations on the 3d, 5 on the 4th, 1 on the 5th, 1 on the 7th, 6 on the 14th, 8 on the 15th, 3 on the 16th, 5 on the 17th, 1 on the 18th, 1 on the 19th, 15 on the 20th, 2 on the 21st, 13 on the 22d, 1 on the 23d, and 2 on the 27th.

Adequate snow cover during the colder period of the month was of great benefit to the winter grains. Rye and wheat continued in good to excellent condition. However, the heavy snowstorm of the 11-12th made most secondary roads impassable and from then on to the close, farmers generally had difficulty in moving the heavier loads of produce to market and also much trouble in obtaining and transporting feedstuffs to the farm. Damage to fruit trees was not thought to be heavy. Farm work was somewhat behind after the 11th. The ground-water table was mostly above normal at the end of the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 74 stations, was 29.4° or 5.2° below the normal. The mean for the northeastern panhandle division was 28.7°; for the northern division, 28.9°; and for the southern division, 30.1°. The highest monthly mean was 35.6° at Williamson, and the lowest, 23.2° at Pickens. The highest temperature was 63° at Grafton on the 5th, Brownsville on the 6th, White Sulpher Springs on the 26th, and Gary on the 31st, and the lowest, −15° at Seneca State Forest on the 15th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 128 stations, was 4.63 inches, or 1.33 inches above normal. In the northeastern panhandle division the average was 3.11 inches; in the northern division, 5.50 inches; and in the southern division 4.15 inches. The greatest monthly precipitation was 11.15 inches at Pickens, and the least, 1.56 inches at Brandywine. The greatest amount in any 24 consecutive hours was 2.64 inches at Kumbrabow State Forest, on the 12th. The average number of days with .01 inch or more of precipitation was 13.

ERRATA

November, 1944.—Page 44, Elkins, total precipitation 2.34; departure −0.44. Page 45, Elkins, precipitation 20th, .33; 21st, .01; total 2.34.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense			2	8	7	2	6	3			1				1			5	2	2		2	1	13	14	2	2		3	9	23
Frosts, killing																															
Gales	7	2						3	2	1	3	20	6	3	1	2	2	1	3	3			1	1	2	2	1	7			1
Hail																															
Halos, lunar						1	1																				2	1			
Halos, solar																												1			
Sleet							2	3			5																24	3	9	4	
Thunderstorms																							2		1						

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.84	3	29.60	12	7.4	22	sw.	20	84	70	78	34	1110
Columbus, Ohio	30.82	3	29.42	12	9.1	31	w.	27	88	76	82	33	1155
Elkins	30.79	3	29.24	12	7.2	40	nw.	27	89	76	85	27	1147
Huntington Airp't.	30.85	3	29.50	12	.....	20	sw.	16	83	72	82	....	1063
Parkersburg	30.82	3	29.32	12	6.6	23	w	27	89	74	79	24	1091
Pittsburgh, Pa	30.77	3	29.16	12	10.8	40	w	27	88	75	81	21	1161

COMPARATIVE DATA FOR DECEMBER

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	.....	..	..	..	..
1892	34.1	72	−10	2.44	2.54	2.59	2.91	.....	8	..	..	..
1893	37.1	76	7	.60	2.40	1.54	2.05	.....	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	.....	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	.....	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	.....	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
1941	39.3	74	2	2.38	2.08	2.40	2.24	1.0	9	7	9	15
1942	31.6	75	−21	3.58	5.80	5.76	5.42	13.2	15	4	8	19
1943	32.1	66	−15	1.20	1.92	2.30	1.96	3.4	8	10	7	14
1944	29.4	63	−15	3.11	5.50	4.15	4.63	23.2	13	6	6	19
Perlod	34.6	83	−37	2.49	3.54	3.27	3.30	6.5	11	9	7	15

Climatological Data for December 1944

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observer
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	41	25.7	−2.4	50	25	− 6	22	6.51	+2.67	1.50	1	54.0	16	9	7	15	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	28	27 0	−7.2	55	5	−11	14	1 56	−0.54	1.00	12	10.0	4	12	0	19	s.	E. L. Keister
Great Cacapon	Morgan	500	....	29.3	..	49	5	3	21	3 21	.....	1.45	12	17.1	7	12	9	10	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	55	.....	.....	.....	.....	.....	.....	4.26	+1.65	2.07	12	3.8	7	...	...	...	.....	Miss Eleanor White
Inwood	Berkeley	569	11	30 4	...	50	6	6	20	2 79	.....	1 01	11	7.5	10	8	8	15	w	H. W. Prettyman
Kearneysville	Berkeley	548	14	3	−5.1	49	5	12	20†	3.19	+0.78	1.52	12	.....	8	6	9	16	n.	University Exper. Station
Martinsburg	Jefferson	435	52	29.2	−4.8	48	5	11	19†	2.34	−0.42	0.49	8	6.0	8	5	7	19	ne.	Civil Aero. Administration
McNeill, 2 miles NE	Berkeley	800	10	28.4	−4.2	56	5	− 9	14	2.33	+0.27	1.10	11	15.0	5	9	3	19	w.	R. E. Saville
Piedmont	Hardy	1,053	30	28.5	−4.5	49	6	7	22	4.47	+2.06	0.95	8	21.0	11	9	6	16	nw.	C. A. Suter, Jr.
Romney	Mineral	824	45	29 8	−4.7	53	5	4	14	3.22	+0.97	1.25	12	21.5	6	10	4	17	.....	Miss Anna Lee Keister
Stony River Dam	Hampshire	3,300	12	.....	.....	.....	.....	.....	.....	4.78	+1.54	1.30	12	35.0	15	5	4	22	w.	Fred Becker
Wardensville, 2½ mi. NE.	Grant	1,200	26	27.8	−5.9	56	31	− 1	14	2.40	+0.66	0.89	12	7.0	5	.....	.....	....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	20	.....	.....	.....	.....	.....	.....	5.75	+2.75	0.97	8	21.6	17	4	6	21	w.	L. Esle Bond
Benson	Harrison	1,080	19	30.1	−6 1	58	5†	− 1	20†	6.44	+2.95	1.12	11	26.0	16	6	10	15	.....	R. D. Marts
Bens Run	Pleasants	652	43	28.4	−6.4	44	21	3	22	6 67	+3.11	.....	.....	19.6	13	13	8	10	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	3	26.0	.....	56	5	−12	22	7.40	.....	1.50	11	48.0	16	.....	.....	.....	.....	James 1. Galloway
Brownsville	Lewis	1,032	20	32.4	−4.2	63	6	3	20	4.99	+1.67	1.03	11	.....	12	7	8	16	.....	M. D. Hawkins
Buckhannon	Upshur	1, 411	53	31.0	−3 2	53	26	6	22	6.18	+2.00	1.25	11	30 5	20	8	4	19	.....	H. A. Darnall
Cairo, 3 miles S	Ritchie	680	38	29.4	−5.3	53	6	− 1	20	5.45	+2.00	1.50	12	24.6	15	5	7	19	.....	Eureka Pipe Line Co.
Clarksburg	Harrison	1,015	21	26.6	−8.6	50	25	5	20	4.45	+1.37	1.30	25	26.5	12	4	6	21	sw.	Clarksburg Water Board
Creston	Wirt	640	43	31.0	−4.3	60	5	0	17†	5.37	+1.90	1.20	12	21.5	14	6	5	20	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	22	28.0	.....	56	25	4	23	4.47	+1.05	0.98	12	19 0	13	7	5	19	sw	Lockmaster
Dam 13 O. R	Marshall	655	28	.....	.....	.....	.....	.....	.....	3.98	+1.00	1.28	12	10.8	14	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	22	.....	.....	.....	.....	.....	.....	4.70	+1.57	1.40	12	16.8	13	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	3.22	+0.09	0.87	28	9.0	10	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	27	.....	.....	.....	.....	.....	.....	4.16	+1.02	1.17	12	10.2	11	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	615	34	.....	.....	.....	.....	.....	.....	4.90	+1.77	1.40	12	15.0	7	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1, 927	45	28.0	−3.7	56	25	0	22	5.16	+1.70	1.08	12	26 5	20	3	4	24	w.	U. S. Weather Bureau
Fairmont	Marion	883	52	29.0	−5.0	57	5	7	22	4.76	+1.27	1.00	12	22.9	13	7	2	22	w.	J. C. Robinson
Glenville	Gilmer	738	56	30.5	−5.4	53	5†	0	20	5.93	+2 00	1.16	8	17.6	14	0	11	20	w.	Howard R. Brannon
Grafton	Taylor	1,050	50	29.6	−4.6	63	5	2	22	5.15	+2.07	.....	.....	14.7	12	8	5	18	.....	L. W. Clayton
Harrison County Airport	Harrison	1,188	4	28.6	.....	56	5	4	22	5 30	.....	1 17	25	19.4	13	4	7	20	sw.	U. S. Airway Station
Hastings	Wetzel	809	9	.....	.....	.....	.....	.....	.....	5.02	.....	0.95	28	18 0	17	7	7	17	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	20	.....	.....	.....	.....	.....	.....	3.65	+0.57	1.01	8	.....	15	.....	.....	.....	.. ..	Mrs. Ova Lester
Mannington, 1½ mi. NW.	Marion	974	42	28.3	−5.3	53	25†	− 5	22	5.33	+1.76	0.91	11	23.7	17	5	5	21	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	3	27.8	.....	57	4	− 6	22	4.79	.....	1.74	12	21 0	9	6	3	22	w.	L. A. Crumrine
Morgantown, 2 miles N.	Monongalia	1,300	68	30.2	−4.2	58	25	− 1	22	4.94	+1.84	1.10	8	22.5	18	7	4	20	w.	State Dairy Farm
New Cumberland	Hancock	671	49	26.5	−5.2	50	5	1	30	3.17	+0.41	1.20	12	14.0	12	4	11	16	nw.	C. O. Valentine
New Martinsville	Wetzel	637	51	29.2	−6.1	52	5	0	22	4.55	+0.99	1.43	12	18.7	12	12	5	14	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	59	29.8	−5.4	54	5	7	22	5.51	+2.48	1.78	31	16.3	17	7	3	21	sw.	U. S. Weather Bureau
Parsons	Tucker	1,649	45	28.8	−3.5	51	5†	2	22	5.94	+1.89	0.84	12	27.6	19	3	7	21	nw.	D. A. Oliver
Philippi	Barbour	1,300	51	.....	.....	.....	.....	.....	.....	5.01	+1.24	1.24	12	25.7	15	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	54	23.2	−9.0	45	25†	− 3	22	11. 15	+5.77	2.16	12	74.5	23	4	4	23	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	20	.....	.....	.....	.....	.....	.....	5.80	+2.43	1.16	8	21.0	17	4	3	24	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	59	30.8	.....	57	31	7	22	5.48	+1.10	1 24	28	33.5	12	7	1	23	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	33	.....	.....	.....	.....	.....	.....	5.80	+2.46	1.81	12	21.0	11	.....	.....	....	.....	Edward Hughes
Terra Alta, 1 mile E	Preston	2, 559	47	24.2	−6.4	58	26	− 6	28	.....	.....	.....	.....	38.0	.....	.....	.....	.....	.....	Hopemont Sanitarium
Thomas	Tucker	2, 950	15	.....	.....	.....	.....	.....	.....	6.02	+2.17	1.55	28	42.0	17	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1, 011	20	31.0	−6.5	62	6	1	20	5.89	+2.67	1.11	11	22.6	15	4	8	19	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	51	27.6	−4.8	48	5†	− 2	22†	3.01	+0.10	1.16	12	17.0	8	6	5	20	.....	George P. Pfister
West Milford	Harrison	979	18	.....	.....	.....	.....	.....	.....	5.53	+2.45	1.60	12	20 0	13	.....	.....	....	.....	Scotland G. Highland
Weston	Lewis	1, 026	53	31.8	−4.0	56	5	10	3†	6 78	+3.15	1.90	12	34.7	17	0	17	14	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	60	28.0	−4.6	52	5	1	22	3.80	+0.82	1.29	12	22.4	15	5	7	19	sw.	Lockmaster
Southern Division																				
Arbovale	Pocahontas	2, 727	21	.....	.....	.....	.....	.....	.....	3.32	+0.16	1 28	11	30 0	12	7	8	16	w.	H. S. Sutton
Athens	Mercer	2, 600	4	29.0	.....	58	25	4	3	3.07	.....	0.95	11	26.9	18	5	7	19	nw.	Concord College
Beckley	Raleigh	2, 440	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Post-Herald
Bluefield	Mercer	2, 558	49	32.3	−4.6	59	26	8	3	5.06	+2.18	1.10	11	42.3	16	8	4	19	.....	Norfolk & Western Ry
Charleston	Kanawha	615	58	30.4	−9.2	57	25	5	20†	4.12	+0 48	1.21	12	13.7	14	9	2	20	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	6	30.9	.....	57	25	5	15†	6.24	.....	1.76	31	10.5	16	6	4	21	w.	Civil Aero. Administration
Clay	Clay	790	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. E. Woofter
Cranberry Glades	Pocahontas	3,400	...	25.4	....	54	4	0	4	5.65	.....	1.53	11	57.6	17	6	6	19	w.	Department of Justice
Flat Top	Mercer	3,270	6	26.3	.....	52	25	8	3	4.18	.....	1.24	11	42.2	17	6	7	18	nw.	U. S. Airway Station
Gary	McDowell	1, 426	27	31.8	−6.0	63	31	2	15	4.46	+1.09	1.10	8	20.7	15	....	.	...	w.	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	5	31.4	.....	56	5	7	20	4.40	.....	1. 24	31	16.6	15	4	5	22	.....	State Forest Nursery
Hamlin	Lincoln	641	1	30.2	.....	57	5	− 4	15†	3.59	.....	0.77	28	12.5	13	5	2	24	..	W. Va. Water Service Co.
Hinton	Summers	1, 431	55	30.0	−5.8	58	31	2	15	3.34	+0.16	0.89	12	21.0	12	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	48	33.6	−2.0	59	25	7	20	4.95	+1.58	1.08	31	16.0	15	5	1	25	nw.	H. N. Robinson
Kayford	Kanawha	1, 335	27	.....	.....	.....	.....	.....	.....	7 74	+3.83	2.60	12	29.5	10	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2, 250	50	27.2	−6.0	51	25†	− 7	15	2.63	−0.48	1.40	11	16.6	10	6	6	19	w.	James B. Stuart
Logan	Logan	700	31	32.8	−6.3	55	8†	9	15	3.92	−0.18	1.15	12	15.0	14	4	4	23	.....	Paul A. Simonds
London Locks	Kanawha	623	9	32.6	.....	54	7	10	15	5.95	.....	1.49	12	15.4	14	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	23	32.2	−2.8	61	8	.....	.....	4.18	+1.28	1.21	12	12.7	16	2	12	17	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1, 950	2	27.8	.....	57	31	5	3†	4.17	.....	1.35	11	27.1	16	4	5	22	....	M. H. Martin
Pineville	Wyoming	1, 350	2	34.0	.....	62	31	3	15†	3.79	.....	1.03	12	24.5	13	6	7	18	.....	Charles Dameron
Point Pleasant	Mason	595	54	32.2	−3.6	53	5†	5	20	3.58	+0.08	0.84	12	12.0	9	9	5	17	e.	E. C. Winger
Rainelle	Greenbrier	2, 424	13	26.6	−6.6	58	5	− 4	15	5.11	+1.58	1.20	11	57.0	21	6	2	23	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	29	28.0	−9.9	56	5	0	20	3.88	+0.56	0.98	12	8.0	10	10	3	18	nw.	Lockmaster
Richwood	Nicholas	2, 193	13	28.3	−6.8	55	5	1	3	4 84	+1 35	2.30	12	.....	8	7	1	23	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	2	30.4	.....	58	25	− 2	20	4.09	.....	1.03	11	13.1	9	7	2	22	nw	Pfost Greenhouses
Ryan	Roane	700	41	30.0	−4.5	56	26	− 7	20	4.93	+1.68	1.26	11	16.4	13	10	1	20	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2, 650	5	24.4	.....	55	25	−15	15	3.81	.....	1.09	11	32.5	12	11	0	20	w.	Supt., State Forest
Spencer	Roane	789	45	30.0	−6 5	55	5†	− 2	20	5.59	+2.18	1.10	12	26.0	17	1	6	24	.....	A. M. McKown
Summersville	Nicholas	1, 900	8	26.7	.....	56	5	− 7	3	6.20	.....	1.36	12	35.0	11	6	0	25	.....	A. E. Dorsey
Sutton	Braxton	850	41	31.5	−3.7	51	5†	1	20	6.93	+3.11	1.42	8	29.0	17	11	13	7	.....	C. B. Eakle
Union	Monroe	2, 200	40	27.6	−6.4	58	25	2	15†	2.45	−0.47	1.05	12	13.0	11	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1, 500	12	*28.8*	.....	.....	.....	.....	.....	*6.00*	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1, 914	30	31.1	−2.0	63	26	3	3†	2.50	−0.60	1.07	11	15.1	9	0	8	23	w.	Ashford General Hospital
Williamson	Mingo	673	43	35.6	2.0	62	26	9	15	4.92	+1.14	1.44	12	11.2	15	7	2	22	se.	J. E. Dotson
Winfield Locks	Putnam	571	6	30.2		58	25	8	20†	3.72	.....	1.01	12	15.0	13	7	1	23	sw.	Lockmaster
State averages and extremes				**29.4**	**−5.2**	**63**	**5†**	**−15**	**15**	**4.63**	**+1.33**	**2.64**	**12**	**23.2**	**13**	**6**	**6**	**19**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* Interpolated.

Daily Precipitation for December 1944

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	1.50	.09					.16				.80	1.10	T.	.10	.06	.07		.18	.40		.08				.02		.80	.10	T.	.50	.55	6.51
Brandywine	do							.24					1.00				T.									.10		.22			T.	1.56
Brushy Run[2]	do	.02						.38					1.08																				2.23
Harpers Ferry[2]	do							.41	.64				2.07					T.		.37					.06		.32	T.				4.26
Inwood	do							.31				1.01	.50				.10		.25	.27						.10	T	.73		.04		2.79
Kearneysville	do							.69				.30	1.22						.02	.15						.17	.10	.05			.15	3.19
Knobly Mountain[2]†	do	.12		.10				.62					.68							.30						.21	T.	.39		.06	T.	3.22
Martinsburg[4]	do	T.																		.25					T.	.35		.40		.28		2.80
McNeill†	do	T	T				.05	.44				.48	T.						.26	T.		T.				.20		.47		.05	T.	.39	2.34
Petersburg	do							.40				1.10					T.		T.	*	.27					T.		.56				T.	2.33
Piedmont	do	.10	.14					.05				1.15	T.						.21	T.					.05	.09		.25	T.			.07	1.87
Romney	do	T.						.95				.53	.80	.06						.38						.41		.80		.10	.20	4 47
Spruce Knob[2]†	do	.07	.14	.04				.81				.46	1.25						.20									.20			.30	3.22
Stony River Dam[2]†	do	.28	.18					.06	T.				.36	.10	T.	.04	.09	T.		.12	T.					.33	.28		.37		T.	2.00
Wardensville[2]	do	T.	T.					.20	.18				1.30	.22	.08		.15			.20		.06				.25	.23		1.07	.08	.30	4.78
Northern Division								.48	.38				.89							.18									.47			2.40
Aberdeen†	West Fork	.01	.04				.03	.97	T.		.95	.89	.01	.01		.02		.20	.17		T.	T.		T.	.74	.41	.53	.39	T.	.16	.22	5.75
Belington[2]	Tygart	.16	.07	T	T.			75	.18	T.		1.33	.18	.01	.02	T.	.05		.41	.02		.10		.03	.47	.56		1.11		.13	.11	5 69
Benson†	West Fork	.10	.15					1.10				1.12	.95	.10	.05				.15	.26		.05			1.08	.28	.60	.50		.05	.05	6.44
Bens Run	Ohio	T.										*	2.82	.03					.23			.13			1.08	.17	.74	.45		.03	.45	6 67
Big Skin Creek†	West Fork	.16	.11				.02	1.04				.70	.78			T	.02		.42						.90	.41		.84	T.	.30		5.72
Brandonville[2]	Cheat	.08	.16					.87	.18		1.50	.32	.21				.18	.24		.62		.14	.03		1.28	.50		1.07		.02	T.	7.40
Brownsville†	West Fork							.10			1.03	.80							.19	.17			.02		.36	.33	.54	.31		.21	.93	4.99
Buckhannon	Tygart	T.		.03	.03	.11	T.	T.		T	1.25	.50	.15	.10		.05		.21	.47		.06	.03		.02	.82	.39	.63	.37	.02	.23	.71	6.18
Cairo	Litl.Kanawha	.02	.08					.70			.55	1.50	.02	.03				.10	.23						.80	.25	.42	.57		.13	.05	5.45
Clarksburg[2]	West Fork	.01	.05	T.				.80				.85	.10		.02				.30			.01			.58	.72		.92		.09	T.	4.45
Crawford	do	.02	.07				.15	.71			1.14	.26	.15	.06		.03		.21	.21		T.	.03		.05	.72	.28	.62	.26		.15	.71	5 83
Creston[2]	Litl.Kanawha	.20	T.	T.				.80	.30			1.20	.20	.01	T		T		.40	.01		.01			.55	.30		1.10		.14	.15	5.37
Dailey[2]†	Tygart	.32	.10	.01	T.			.37	.17			1 18	.08	.02	.01	T.	.05		.38	.04		.01		.04	.07	.09	T.	.79		.12	.12	3.97
Dam 10, Mon. R.[2]†	Monongahela	.03	.05	T.				.87	.18			.98	.10	T.	T.		T.		.36	T.		.05			.38	.60		.86	T.	.04	.02	4.47
Dam 13, O. R.[2]†	Ohio	.02	.07					.19	.10			1.28	.19						.30	T.		T.			.80	.25	.42	.57		.13	.05	5.45
Dam 15, Mon. R.[2]†	Monongahela	.08	.02					.75	.06			1 40	.17	T.	.02				.21			.12			.46	.65		.60	.01	.06	.02	3.98
Dam 19, O. R.[2]†	Ohio		T.					.48	.01			.48	T	T.	T.				.16			.02			.62	.46		.87		.09	.03	3.22
Dam 20, O. R.[2]†	do	1	T.					.53	.02			1.17	.12	T.	T.				.25			.02			.49	.58		.80		.03	.15	4.16
Elizabeth (Dam 3)[2]	Litl.Kanawha							.68				1.40							.10						1.12	.30		1.10		.20		4.90
Elk†	West Fork						.78	.08			.90	.45		.05											.99			.75		.20	.70	4.90
Elkins[1]†	Tygart	.07	.02	T.			.22	.47	T.		1.00	.18	.04	.03	T.	.10		.34	.09	T.	.05	T.	T.	.04	.73	.03	.91	.01	.16	.04	.63	5.16
Fairmont[2]	Monongahela	.07	T.					.88	.04			1 00	.20	.07	T.	T.			.38	T.		.03			.62	.32		.95		.02	.08	4.76
Glenville[2]	Litl.Kanawha	.21	.08					1.16	.07			.91	16			T.	.36		.42	.18		.11			.69	.41		.96		.18		5.93
Grafton	Tygart	.01	.08					.98			*	*	1 29		.02				.35			.05			1.18			.94			.25	5.15
Hackers Creek†	West Fork	.10					.05	.80			.60	1 50							.24		.25					.79	.70	.30	.51		.48	.43	6.75
Hall[2]	Tygart	.16	.07	T.				.71	.14	T.		1.37	.07	.02	.05	T.	T.		.17	.02		T.		T.	.71	.42		.96		.11	.09	5.07
Harrison Co. Airport[4]	West Fork	T.	.02				.38	.51	T.		.76	.69	T	T.		T.			.21	T.	.01			.06	1 17	T.	.93	T	.06	.02	48	5.30
Hastings	Ohio	.08						.74			.19	.80	08	.03		T.			.08	.18	.01	.07	.03			.95	.13	.53	.95		.09	.08	5.02
Horner	West Fork	.10		.05	.05			.10	.90	.10		.25	.50	10	.10		.05			.15					.10	1.25		.35		.70	.40	5.25
Ireland	do	T.		.11				.15	.71		T.	.74	.21	T.	.08		.03		.21	.21		T.	T.		.08	.75	.32	.62	.26		.15	.71	5 34
Jane Lew	do								.98	.03		.02	.27	T.	.02	T.			.06	T.		.12	T.	.03	.16	.80	.13	.41	.19	T	.16	24	3.65
Kumbrabow St. For.†	[2]Tygart	.93	.20			.49	.56	.68			1.03	2.64		.49	.28	.60		.58	.70		.29												10.29
Mannington	Monongahela	.10	.02				.01	.90			91	.64	.06	.02	T.	T.		.18	.16		.06				75	.31	.68	.33		.08	.12	5.33
Middlebourne[2]	Middle Is. Creek	T.						.42	.02			1.74	T.	T		T.	T.		.28			.14			.52	.55		1.04		.08	T.	4.79
Midvale[2]†	Tygart	.04	.24	T.				.75	.27			1.31	.53	.01	.16	.07	T.		.24	.24		.12			.46	.36	T.	.88		.44	.15	6 27
Morgantown	Monongahela	.05	.08	.02	.05		.01	1.10	.01		.14	1.06		T.				*	.32			.02			.52	.48	.67	.15		.11	15	4.94
Mt. Clare	West Fork	.20						1.00			.65	.03	04	T.	.05	.02		.22	.10	T.	T.			.03	.10	1.00	T.	.88		.10	1.17	5.59
New Cumberland	Ohio	.01					.01	.37	T.		.65	.55		01				.11							.70	.03	.43	.10			.20	3 17
New Martinsville	do	.04	.02					.43			.73	.70		T.		T.		.21	T.	.14					1.06	.20	.55	T.	T.	.20	.27	4.55
Parkersburg[1]†	do	.03	T.			T.	.39	.07	T		94	.20	.03	01		T.		.26	.01		.03			.15	.97	.04	.98	T.	.05	.01	1.34	5.51
Parsons	Cheat	.10	.04				T.	.72	T.		.59	.84	.04	.03	T	.11		.24	.17	.02	T.	.06		.05	.79	.10	.74	.53		.22	.46	5.94
Philippi[2]	Tygart	.08	.06	T.				.74	.18	T.		1.24	.15	.01	T.		T.	.03		.37	T.		.04		T.	.51	.50	T.	.94		.13	.03	5.01
Pickens	do	.35	.08	.11			.43	1.15	.06			2.16	07	.22			.38		.38	.33	.04		.11	.38	.52	.83	.45	1.12	.35		.24	1.05	11.15
Roanoke	West Fork	.05					.13	1.03			.95	.43	.05	.08		.02		.10	.17			.03			.74	.23	.70	.32		.16	.61	5 80
Rockford†	do	T.	.06					1.05	T.		1.20	.28	T.	T.		T.		.17	.13		T.			T.	.96	.06	66		T.	.14	.34	5.05
Rowlesburg[2]	Cheat	.15	.10	T.				.73	.26	T.		.95	.35	T.	T.	T	T.		.50	T.		.25		T.	.80	.05	T.	1.24	T.	.10	T.	5.48
Saint Marys[2]	Ohio	.08	.05					.44	.10			1.81	.18	T.	T.				.38	T	T.				.88	.38		1.42		.08	T.	5.80
Salem	West Fork	.02						.97			1.21	.47		05				*	.34		.01				.94	.16	.33			.47	.28	5.25
Shinnston	do	T.	T.				.10	.90			.80	.80	T.	T.				.20	.15		.07	T.			.90	.30	.60	.30	T.		.80	5.92
Terra Alta†	Cheat																														
Thomas[2]	do	.27	.10					.35	.17			1.01	.90	T.	.05	.05	.10		.40	.10		.06			45	.35		1.55		05	.06	6.02
Valley Chapel	West Fork	T	.05				.03	.98	.02		1.11	.96	T.	T		T.			.18	.24			.13		.77	.18	.55	.34		.18	.17	5.89
Valley Head[2]	Tygart	.25	.13	.08				.35	.14			1.56	.75	.08	.05	T.	.17		.45	.04		T			.31	.38	T.	1.24		T.	.24	6 22
Vandalia†	West Fork		.11				.04	.86			1.11	.55							.29	18		17			81		.95			.26	.72	6.05
Wellsburg (near)	Ohio	T.	T.					.40			.45	.71							T.	.14		.03			.70	.23	.35	T.			T.	3.01
West Milford	West Fork		.05				.05	.86			.75	.85	T.	T.	T.	T.	T.	.25	.20						.91	.35	.46	.50		.10	.20	5.53
Weston[2]	do	.24	.12	T.				.88	.24	T.		1.90	.50	.04	.05	T.	.05		.40	.04		.08			.38	.81	T.	.69	T.	.24	.12	6.78
Wheeling (Dam 12)[2]	Ohio	.01	.05					.20	.10			1.29	.17		.02				.01	.15		T.	.11		.43	.62		.60	T.	.02	.02	3.80
Southern Division																																	
Arbovale	Greenbrier	.09	.08				T.	.32	T		1.28	.22	.11			.07		.33	06						.60		.06		T.		.10	3.32
Athens	New	.10	.02				.01	.58			.95	.30	T.	T		.01		.03	.04			.02	.02	T.	.01	.03	.32	.18	26	.07	.12	3.07
Beckley[2]	New																																
Bluefield	New	.05	.30				.04	.76			1.10	.84	.20	.14		.11		.05	.18			.04					.87		19	.07	.12	5.06
Camden-on-Gauley[2]	Gauley	.09	.04	.03				.42	.13		.02	1.60	.15	.02	.05	.08	.03		.46	.03		.03			.38	.44		.93		.11	.32	5.36
Charleston	Gr. Kanawha	.03	T.					.78	.03		.02	1.21	.04	T.	T.		T.		.28	T.		.03		.03	.22	.35		.70		.09	.31	4.12
Charleston (Airport)[4]	do	03	T.				.52	.23			1.21	.80	T.	.01		T.		.31	.01		.03		T	.20	.52	.02	.82		.09	.18	1.76	6.24
Clay[2]	Elk																																
Flat Top[4]	New	.07	T				.32	.28			1.24	.17	.02	.03		.05		.20	.03		.04			.13	.05	T.	.88		.26	.18	.23	4.18
Gary[2]	Big Sandy		.01					1.10			.23	1.09	.55		.06	T.			.07	T.	.25	.02			.02	.07		.61	.24	.09	.05	4.46
Greenbottom†	Ohio	.01	.25				.18	.20			*	.90	T.	.15				*	.33			.03				.88	.08			.06	.09	1.24	4.40
Hinton[2]	New	03	.02	T.				.72			.43	.89	T.	T.	T.	T.			.17			T		.03		.03		.63	.03	.13	.23	3.34
Hogsett[2]	Ohio	.02	.03					.37	.01			.33	.24	.01	.02				.01	.21	.01		.01			.30	.31	.80		.19	.05	3.02
Huntington	do	.03					.29	.10			.75	.76	T.	T.		T		.23	.06		T.	.03			.40	.32	.63	.16	.04	.07	1.08	4 95
Kayford[2]	Gr. Kanawha	.30						1.18	.21			2.60	.20							.45						.40	.35		50			1.55	7.74
Lewisburg	Greenbrier	T.	T				T	.28			1.40	T.				T.		.10	.08		T.				10		.42	.08	.05	.05	.07	2.63
Logan[2]	Guyandot	.04	T.	T.				67	.04		.03	1.15	01	T.	T.	T.	T.		.44	T.		T.		.03	.20	.45	T.	.62	.01	.07	.13	3.92
London Locks[2]†	Gr. Kanawha	.02	.02					1.17	.11			1.49				.05			.38	.02		T.		.06	.21	.36		.72		.08	1.26	5.95
Madison[2]	Coal	.06	.02					.81	.06		.07	1.21	T.	.01		T.			.30	.10		.03		.04	.15	.30	.60			.09	.33	4 18
Oak Hill[2]	New		.01				.50	.33			1.35	.23	.05	.05				.25	.05		.03	.02		.20	.20		.60			.10	.20	4.17
Pineville[2]	Guyandot	.07	.03					.43	.60		T.	1.03	.08		T.	.04										.09	07	.46		.54	.20	.15	3.79
Point Pleasant[2]	Ohio	.02	T.	T.				.45			T.	.84	T.	T.	T.				T.	.36		.02			.02	.87	T.	.75		T.	.25	3.58
Princeton[2]	New		T.			.29	T.		T.	T.	1.59	T	T.					T.								T.	T		.09	.22	2.19
Rainelle	Greenbrier	.11		.02			T.	74			1.20	.80	.03	.06	T.	18		.20	.15	.01		.06	.01	03	.29	.08	.33	.38	.02	.07	.34	5.11
Ravenswood[2]	Ohio	.05						.48	.02			.98	T.							.30						.67	.42		.85		.05	.06	3.88
Richwood[2]	Gauley							.47			T.	2.30	T.			.16	.12				.16					.26		.92			.45	4.84

Continued on next page.

Daily Precipitation for December 1944—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	T.	T.					T.	.50			1.03	.05						.40			T.			.60	2/	.65	.24			.42	4.09
Ryan	Gr. Kanawha	.08						.05	.86			1.26	.87	.05	.05				.05			.10			.03	.46		1.04			.03		4.93
Seneca State Forest†	Greenbrier	.30	.09						.39			1.09	.51				12		.12		12					.40		.24			.20	.23	3.81
Spencer[2]	Litl.Kanawha	.18	.07						.80	T.			1.10	*	*	T.	.70			*	*	.46	.15		.04	.53	.34		.77		.20	.25	5.59
Summersville[2]	Gauley	.15							.85			.40	1.36	.63						.50					.08	.38	.20		.85			.70	6.20
Sutton	Elk	.10	T						1.42			.28	1.26	.15	.06		.08		.16	.36		T.	.08		T.	.56	.42	.52	.32	.08	.12	.96	6.93
Union[2]	New	.05	05						.30	.15		.05	1.00							.05			.05					.55		.05	.15	2.45
Wayne[2]	Twelvepole								.36			.06	.75		.01					.30			.04						.80		.01		2.23
Webster Springs	Elk																															.15	§§
White Sulp'r Spgs.	Greenbrier	T.	T.						.42	T.		1.07	.17		T.		T		.06	.03						T	.44	.05	.03	T.	.23	2.50
Williamson[2]	Big Sandy	T.	T.					.20	.49			.55	1.44		T.		.02		.37	.09			.03		.04	.30	.15	.63		.22	.07	.32	4.92
Winfield Locks[2]†	Gr Kanawha	.04	.09						.49	.03			1.01	.05	T.	T.				.30	T.		.02			.23	.41		.84		.09	.12	3.72

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson. Miletus; Big Skiu Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for December 1944

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	24	23	25	39	48	48	43	38	35	38	40	25	22	22	34	35	33	38	41	40	41	23	45	39	50	40	36	42	24	33	40	35.6
	Minimum	15	15	15	— 4	— 2	22	17	30	23	21	23	19	16	11	12	22	18	24	11	5	19	— 6	5	32	37	18	0	19	14	14	24	15.
Beckley	Maximum																																
	Minimum																																
Bluefield	Maximum	22	21	32	46	54	51	46	39	35	42	36	28	24	22	36	36	38	41	38	43	44	36	45	46	57	59	39	46	34	46	55	39.9
	Minimum	18	17	8	15	22	30	34	34	28	21	28	18	17	15	12	28	20	26	18	18	35	26	21	40	44	28	22	20	28	32	38	24.7
Brandywine	Maximum	28	30	34	45	55	54	50	44	38	42	31	29	30	32	35	40	42	38	30	42	47	32	40	41	50	46	32	41	40	42	47	39.6
	Minimum	16	17	5	4	7	16	17	27	25	10	20	18	16	— 11	— 3	14	3	14	9	0	19	15	20	30	25	22	10	16	17	22	27	14.4
Buckhannon	Maximum	30	29	28	38	52	48	49	49	46	43	45	42	35	35	35	38	35	34	33	42	42	31	42	41	52	53	43	42	38	45	51	40.8
	Minimum	20	22	8	10	14	30	25	35	28	25	12	12	21	15	13	28	20	17	18	7	29	6	21	34	36	19	14	24	22	36	37	21.2
Cairo	Maximum	32	34	34	45	47	53	49	41	40	40	44	35	28	30	36	38	37	41	33	43	46	34	42	42	38	51	33	41	33	37	40	39.3
	Minimum	23	23	7	8	14	26	23	37	31	22	28	25	17	9	2	25	8	17	15	— 1	25	1	15	32	33	17	10	23	20	31	34	19.4
Charleston (Airport)	Maximum	30	32	36	49	55	52	44	41	35	45	40	29	29	28	41	39	43	32	26	50	47	35	43	40	57	33	43	36	36	50	56	40.4
	Minimum	25	13	12	14	21	31	30	35	22	21	25	24	20	15	5	18	11	20	10	5	23	15	22	33	33	16	18	27	26	35	39	21.4
Clarksburg[3]	Maximum	37	29	31	37	46	49	40	39	30	38	36	26	22	22	38	36	36	34	19	44	37	31	39	35	50	31	38	26	34	40	38	35.1
	Minimum	21	22	10	11	11	14	23	25	30	20	26	22	22	8	12	10	21	19	18	5	7	8	8	27	31	24	14	18	22	22	32	18.2
Cranberry Glades	Maximum	24	19	34	54	51	46	40	40	27	36	30	27	19	19	32	31	40	35	31	41	40	26	40	43	51	46	30	43	24	42	49	35.8
	Minimum	11	13	8	0	3	17	22	26	19	8	18	15	13	8	12	7	14	10	12	4	20	15	6	36	35	18	5	19	18	22	30	15.0
Elkins	Maximum	25	24	28	43	47	48	46	43	30	45	40	26	23	22	41	38	42	33	24	47	44	34	44	44	56	33	48	32	36	44	55	38.2
	Minimum	20	18	10	4	8	22	22	30	26	19	23	18	14	14	8	23	18	17	15	2	17	0	14	33	33	11	11	20	20	32	34	17.9
Fairmont[3]	Maximum	29	33	38	45	57	50	42	39	33	45	38	28	28	26	37	35	42	33	24	43	35	33	48	45	52	30	39	28	36	42	47	38.1
	Minimum	21	20	14	15	15	15	25	26	30	24	25	25	21	13	15	16	21	24	17	11	13	7	8	31	32	22	12	22	20	20	33	19.8
Flat Top	Maximum	18	18	28	49	51	43	39	32	30	35	28	20	18	17	35	31	37	35	18	42	39	25	41	46	52	30	47	32	31	41	51	34.0
	Minimum	13	10	8	11	13	23	27	24	15	23	15	15	11	9	10	15	17	15	12	13	21	19	22	36	30	16	18	22	22	30	42	18.6
Gary[3]	Maximum	26	26	36	57	58	50	44	40	40	49	33	37	29	27	42	38	47	35	28	48	47	38	40	48	62	36	50	36	41	58	63	42.2
	Minimum	23	21	7	12	12	22	28	32	32	21	26	22	22	18	2	3	6	15	20	12	12	22	26	29	36	32	20	31	29	35	40	21.5
Glenville	Maximum	32	37	34	38	53	49	43	42	38	44	39	44	28	30	40	48	39	45	34	48	46	35	44	42	53	53	42	40	36	39	43	41.2
	Minimum	22	20	9	11	16	27	24	36	31	22	28	22	20	16	2	10	12	17	19	0	29	5	16	16	34	22	15	25	22	34	33	19.8
Grafton	Maximum	29	30	33	45	63	55	50	42	40	45	45	30	27	26	34	41	40	34	34	45	45	35	43	43	46	54	38	41	37	40	48	40.6
	Minimum	17	16	11	6	12	25	29	32	26	20	25	20	18	12	10	27	18	17	13	7	29	2	20	28	30	17	7	19	17	26	31	18.6
Hamlin	Maximum	32	33	36	50	57	51	55	41	35	44	31	32	27	32	42	39	46	46	27	52	36	37	44	44	55	32	44	30	36	49	55	41.0
	Minimum	25	23	8	11	19	25	28	32	31	18	19	25	18	18	— 4	— 1	21	25	19	— 4	— 4	19	13	26	38	28	16	26	26	28	36	19.5
Huntington	Maximum	35	36	40	49	57	50	47	43	37	45	42	33	30	31	43	39	46	42	32	51	48	35	41	41	59	50	37	37	33	45	49	42.0
	Minimum	25	24	16	17	25	32	33	36	32	23	28	25	23	22	17	31	21	25	19	7	31	16	20	32	37	23	18	27	26	32	42	25.3
Lewisburg	Maximum	25	28	37	46	49	49	42	42	33	39	38	31	25	25	37	35	41	33	33	45	42	30	37	47	54	54	30	40	31	36	42	37.9
	Minimum	18	17	4	8	11	19	25	31	14	12	22	18	19	10	— 7	7	— 5	2	16	1	24	21	25	31	34	23	12	24	24	28	25	16.5
Logan[3]	Maximum	30	32	38	51	53	47	50	55	44	49	38	31	28	30	42	45	43	33	30	50	37	40	38	41	51	34	50	34	42	53	55	41.7
	Minimum	26	25	13	13	16	25	32	35	35	26	26	25	25	21	9	10	14	14	23	13	13	26	24	27	34	32	24	30	30	30	41	23.8
Madison[3]	Maximum	31	35	35	42	49	50	51	61	36	42	36	30	28	36	39	48	42	36	27	52	37	36	37	41	58	54	52	32	40	52	56	42.0
	Minimum																																
Mannington	Maximum	29	30	34	44	51	50	44	41	39	40	39	31	27	26	34	38	37	36	30	43	45	30	42	41	53	53	38	41	34	39	41	38.7
	Minimum	20	14	9	6	10	23	19	36	29	19	25	24	21	5	7	22	17	18	15	— 2	25	— 5	14	31	33	16	5	21	18	29	32	17.9
Martinsburg	Maximum	34	33	37	43	48	43	38	44	36	40	34	34	34	30	35	38	42	37	26	44	39	25	42	35	42	30	40	32	27	33	39	36.6
	Minimum	26	25	16	14	14	23	23	35	28	21	28	28	17	18	21	25	26	18	11	11	14	13	33	31	30	14	17	20	20	28	28	21.8
Morgantown	Maximum	29	29	35	44	57	50	47	45	36	42	47	28	26	25	36	38	36	35	29	41	42	35	43	40	58	56	39	41	33	41	48	39.7
	Minimum	19	17	18	11	19	33	23	34	28	22	27	23	19	13	17	27	21	26	14	13	20	— 1	14	28	34	15	9	20	18	26	39	20.8
New Martinsville	Maximum	32	33	36	44	52	49	44	40	38	41	36	34	28	30	35	38	41	32	28	43	43	30	43	37	39	39	35	38	33	37	38	37.6
	Minimum	22	19	14	17	17	27	23	35	30	22	29	25	19	12	14	29	19	25	16	7	25	0	12	30	35	14	9	21	18	30	33	20.9
Parkersburg	Maximum	32	32	35	45	54	46	44	40	34	40	38	31	26	30	37	38	41	31	23	46	43	30	43	37	42	29	37	32	33	43	46	37.4
	Minimum	25	23	15	16	24	32	29	33	31	26	27	24	19	18	19	25	22	20	15	9	16	7	15	30	29	12	13	21	22	33	38	22.2
Pickens	Maximum	28	18	28	36	38	41	44	35	22	35	32	30	22	20	34	32	30	32	30	35	30	35	40	41	45	34	43	38	40	45	42	34.0
	Minimum	12	10	— 2	8	15	14	25	22	15	8	28	15	18	— 2	0	12	8	12	15	1	0	— 3	16	28	34	8	3	12	12	14	30	12.5
Point Pleasant	Maximum	33	33	35	44	53	53	48	42	39	43	43	34	29	31	38	39	42	43	32	45	46	30	40	41	37	53	35	39	33	39	45	39.9
	Minimum	25	23	16	16	24	33	30	38	32	23	34	26	22	19	18	36	21	25	18	5	30	10	17	31	34	19	15	26	24	31	37	24.5
Rainelle	Maximum	27	23	31	48	58	46	41	40	30	39	36	30	22	21	37	32	41	31	31	41	47	40	28	36	36	49	43	30	40	28	42	39	36.3
	Minimum	16	16	8	4	11	23	25	29	24	10	27	18	17	10	— 4	12	— 3	5	14	4	15	19	26	32	33	20	9	22	22	26	31	16.8
Romney	Maximum	32	32	38	44	53	44	40	44	43	45	35	35	34	30	41	39	47	41	33	39	50	35	34	35	37	44	31	40	28	30	38	38.4
	Minimum	24	23	20	12	12	23	20	32	32	26	27	30	26	4	10	18	19	26	18	8	32	10	12	31	31	26	10	27	19	24	27	21.3
Spencer[3]	Maximum	30	32	34	45	55	50	49	40	43	38	38	27	25	27	40	36	40	32	22	48	35	32	40	42	55	31	40	27	35	47	53	38.3
	Minimum	22	22	9	11	17	27	24	36	30	29	27	24	21	15	7	34	15	19	18	— 2	32	6	17	30	31	22	15	25	23	29	39	21.7
Summersville	Maximum	25	30	33	50	56	46	46	36	29	47	33	31	23	30	38	19	42	29	21	47	40	36	38	52	54	30	44	26	36	45	55	37.6
	Minimum	15	15	— 7	3	11	17	25	29	22	9	24	17	16	12	3	22	— 4	3	15	— 4	32	16	10	23	33	22	10	24	21	26	33	15.8
Sutton	Maximum	29	32	34	46	51	51	50	48	36	46	46	33	32	27	42	42	42	42	32	49	49	36	45	45	42	42	45	45	37	46	50	41.7
	Minimum	23	23	8	10	15	28	25	31	30	20	27	24	20	16	6	22	8	16	20	1	31	8	20	32	35	21	16	28	25	33	38	21.3
Wardensville[3]	Maximum	34	34	36	46	55	44	39	46	35	44	32	34	33	31	42	40	47	37	28	50	45	25	50	36	48	32	45	33	27	31	56	39.2
	Minimum	22	21	11	9	10	19	19	32	31	15	18	25	24	— 1	4	4	9	16	19	3	7	12	12	14	30	28	9	18	18	20	28	16.3
Weston	Maximum	36	31	32	40	56	50	45	43	40	42	34	30	28	24	38	39	40	38	25	45	41	39	42	40	53	39	43	32	36	49	48	39.3
	Minimum	20	22	10	12	15	30	25	40	31	28	30	24	22	14	20	29	23	24	20	10	39	15	25	36	39	17	15	24	24	34	39	24.4
Wheeling[3]	Maximum	32	47	37	47	52	49	43	40	35	41	37	32	26	29	36	37	38	31	23	43	33	32	39	39	39	29	38	27	32	42	42	37.0
	Minimum	22	19	18	19	19	20	32	33	30	26	23	26	21	18	18	19	22	23	14	15	16	1	2	13	29	15	3	16	13	16	28	19.0
Williamson[3]	Maximum	30	36	39	52	47	45	43	41	49	48	31	31	30	41	41	44	39	34	53	53	39	39	41	59	62	46	52	41	56	56	58	44.7
	Minimum	21	25	14	17	25	30	32	36	34	25	29	25	24	22	9	29	15	24	22	13	29	26	25	34	35	29	23	30	31	40	48	26.5

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM

Vol. LII PARKERSBURG, W. VA., YEAR 1944 No. 13

GENERAL SUMMARY

The most destructive tornadoes in the history of West Virginia occurring on June 23d, a very severe drought lasting from June to September, and the occurrence in December of the heaviest snowfall of any single month of record, were the outstanding weather events in West Virginia during 1944.

A series of tornadoes in the northern-border counties on June 23d caused the death of 103 persons, seriously injured 430; 183 houses and 432 other buildings were destroyed, and 195 houses and 246 other buildings were damaged. A detailed report is printed on pages 29 and 30 of Climatological Data for July 1944.

Drought conditions began in the northeastern and southern counties in late June and gradually spread until by mid-August the greater part of the State was affected. Losses were heavy, especially to the corn and hay crops. The size of the apple crop was also reduced.

The heaviest total snowfall of record occurred in December. The average of 23.2 inches was 16.7 inches above normal, 2.7 inches above any previous December, and 1.2 inches above the previous record month, that of January 1905. Kumbrabow State Forest, with a total monthly snowfall of 81.0 inches, topped the previous record which was held by Alpena with its 68.0 inches in March, 1936. The snowstorm of December 11-12th caused great damage to communications, isolated many communities and greatly impeded highway traffic.

The drought which began in July 1943 was not broken until the rains of the third decade of February. February, March, April, May, September, October, and December were all above normal in precipitation while January, June, July, August and November were below normal.

Temperature for the year averaged exactly normal; however, December was considerably below normal while March, April, July, September, October, and November were only slightly below. January, February, May, June and August were above normal. Two very cold periods occurred during the year—that of the 7-14th of January and the other lasted from the 14th to the 22d of December.

From the standpoint of crop production, the weather during the growing season of 1944 could be considered as barely fair. Very wet weather from March through April almost inhibited the planting of oats, meadow grasses and gardens. May had so many rains that the planting of corn and soybeans was made with much difficulty. In June a very fine first cutting of clovers and alfalfa was made. Timothy also gave a good yield. From June on through August, a drought of unusual severity prevailed. The second crop from the meadows was ruined in most places. Corn fired badly with the hillside stands being burned brown. In other places where the drought was less severe, scattered thundershowers having occurred at timely intervals, corn and other crops made satisfactory growth. During September and the first two weeks of October, rains revived all crops and did especially good work with pastures, enabling farmers to save much winter feed. Corn generally matured as killing frost held off until October 16th. Difficulty, due to wet weather and heavy morning dews, was experienced in trying to gather such crops as soybeans, as the leaves dried very slowly when cut and in some fields the foliage stayed wet all day so much of the time that it could not be cut. A good many fields of soybeans were left standing too long, losing much feed value. Winter began with practically normal conditions.—*C. L. W.*

WEATHER BY MONTHS

JANUARY.—The period 7-14th was very cold. However, the warm second half of the month, with temperatures up to the 60's and 70's, held a threat of damage to the fruit crop as the buds began to swell a little. Precipitation was decidedly below normal.

FEBRUARY.—With the exception of a cold period from the 10-16th, the month was uniformly rather warm with an unusual warm spell lasting from the 22d through the 27th. The drought, which had prevailed since July 1943, was broken by the rains of the third decade of this month. Heavy rains, during the 22d, caused the Little Kanawha River at Glenville and Creston to rise somewhat above flood stage on the 22-23d, but no damage was reported. Much plowing was accomplished during the first three weeks of the month. High temperatures during the last week caused the buds on peach and some forest and shade trees to begin to swell prematurely.

MARCH.—The month was cold and wet. There were the fewest forest fires of record for March. Wheat, rye, barley, and the grasses grew steadily but slowly during the month. It was a very poor planting month due to the continually wet weather.

APRIL.—A very wet month throughout. Winter grains made good growth. The fruit trees had an abundance of blooms and the brambles and bush fruits made excellent progress. Planting of oats, potatoes and garden truck was delayed with the delay in the case of oats being serious. Very little corn ground was prepared for planting.

MAY.—Warm and moderately wet. Although the frequency of the showers made soil preparation and seeding difficult, warm weather and abundant moisture made seeds sprout in much less than the usual time required. Pastures and meadows made extremely good growth, while the fall-seeded grains began to head at the close of the month. Local flooding occurred at Marshall, Jackson County, on the 17th, when Little Mill Creek was higher than it has ever been known to be in the past. No one was injured or drowned but about $2000 damage occurred to houses and outbuildings. Also, on the 17th, an electrical storm accompanied by heavy hail did much damage to crops at Belleville, Wood County.

JUNE.—June was somewhat above normal in temperature but on the 8th, minimum temperatures dropped to the thirties and low forties in all sections of the State, reaching minima of 28° at Bayard and Brandonville, being within one degree of the all-time low for June of 27° in 1930. Glenville, on the 4th, had 2.42 inches rainfall in 40 minutes, causing damage to gardens and sewers. Damaging hailstorms occurred between Belington and Philippi on the 19th and in the Hamlin section on the 22d. A flash flood hit Salem, in Harrison County, on the 23d. Much damage ensued to crops and business houses. On the 31st, a woman was killed by lightning in her home at Maysel, Clay County. Crop growth was good in most places; however, it began to turn dry in the northeastern panhandle and some of the southern counties. The disastrous tornadoes of the 23d are reported in detail in July 1944 Climatological Data.

JULY.—Third driest July of record. With the exception of a few southern and north-central counties, the whole State was in a drought condition by the close of the month. Corn, meadows and garden crops were deteriorating rapidly. Hail did damage on the 19th between Bens Run and the Ritchie County line, and on the 20th, in the Friendly section of Tyler County.

AUGUST.—This was a month of continued drought. It was a good month for harvesting but the continued dry weather greatly lessened the yield of hay and the prospects for corn. Long continued dry weather was making peaches and apples mature much undersized. Farm water supplies were very short in many localities at the close.

SEPTEMBER.—Somewhat below normal in temperature and above normal in precipitation. It was a good growing month. Harvesting was well up to normal by the middle of the month but during the latter half, rains, fogs and extremely heavy dews kept vegetation too wet for proper ripening. Also, the soil was so wet in many places that winter grains were being seeded with much difficulty.

OCTOBER.—Temperature averaged slightly below normal. Killing frosts were quite general on the 16th. All crops, however, were either gathered or matured so no damage was reported. Precipitation was above normal. The general storm of the 20-21st brought moderate to high stages in the rivers in the northern part of the State. Flood stages were reached on the West Fork River at Clarksburg and Weston. No damage was reported. The frequent rains made for good pastures with a considerable saving of winter feed. Fall seeded grains were coming up to good stands and farm work advanced normally.

NOVEMBER.—Temperature and precipitation below normal. Snowfall was exactly normal. It was a fairly good month for outdoor work. Corn-husking made steady progress. Winter grains made some growth, and was reported as in good to excellent condition. Farm butchering became quite general in the third decade. Trees and shrubbery became dormant and farm work was on winter routine by the close.

DECEMBER.—A heavy snowstorm on the 11-12th was the main contributing factor to the largest monthly total snowfall of record. The snow was wet and acted like a heavy glaze storm in freezing to wires, trees and bushes. Traffic and communications were heavily affected for several days. Damage to wires, poles and to business generally, was heavy. Forest trees were also considerably damaged. Some communities were isolated for a few days. The Little Kanawha and West Fork Rivers went a little above flood stage on the 26th. Little or no damage was caused. It was the sixth coldest December of record. However, adequate snow cover during the cold periods maintained wheat, rye, barley and the grasses in good to excellent condition. Secondary roads were made impassable in a great many parts of the State by the storm of the 11-12th and from then on to the close, farmers generally had difficulty moving the heavier loads of produce to market and also in obtaining and transporting feedstuffs to the farm. The ground-water table was mostly above normal at the end of the month.

Climatological Data for the Year 1944

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	47.2	....	.....	− 8	Jan. 9†	40	52.85	6.51	Dec.	1.75	Aug.	120.5	141	154	83	129	w.
Brandywine	Pendleton	1,586	29	51.0	95	Aug. 5†	−11	Dec. 14	29	35.10	6.65	May	0.80	Jan.	22.0	85	219	14	133	sw.
Great Cacapon	Morgan	500	1	55.2	105	Aug. 13	.....	.....	1	32.52	5.19	Mar.	1.70	Aug.	38.1	97	198	61	107	w.
Harpers Ferry	Jefferson	400	.....	.....	.....	.....	.....	.....	56	36.53	5.60	Mar.	1.52	June	16.8	117	.....	.....	.....	.....
Inwood	Berkeley	569	10	54.5	104	Aug. 12†	4	Jan. 18	11	35.19	6.23	Mar.	1.35	Nov.	19.5	95	166	98	102	w
Kearneysville	Jefferson	548	14	54.2	102	Aug. 13	7	Jan. 18†	15	35.44	5.50	Mar.	1.01	June	.....	94	127	148	91	e.
Martinsburg	Berkeley	435	47	53.4	101	Aug. 13	10	Jan. 9	53	34.76	5.56	Mar.	1.57	Nov.	24.5	119	103	128	135	nw.
McNeill, 2 NE.	Hardy	800	11	52.3	102	Aug. 11†	− 9	Dec. 14	11	33.73	4.32	Sept.	1.33	Nov.	35.0	97	119	115	132	w.
Piedmont	Mineral	1,053	31	52.3	99	Aug. 12†	− 1	Jan. 9	30	41.96	5.55	Mar.	1.38	Aug.	60.5	128	132	106	128	w.
Romney	Hampshire	824	46	53.9	103	Aug. 12	1	Jan. 9	45	35.89	5.43	Mar.	1.30	Nov.	48.9	86	143	82	141	.....
Stony River Dam	Grant	3,300	..	.....	.....	.....	.....	.....	25	54.59	7.12	Oct.	1.71	July	104.9	144	61	78	227	w.
Wardensville, 2½ NE.	Hardy	1,200	27	51.5	101	Aug. 12	− 1	Dec. 14	26	35.01	5.35	Sept.	1.05	Nov.	28.5	106	.....	.....	.....	nw.
Northern Division																				
Aberdeen	Upshur	1,060	....	.....	.....	.....	.....	.....	21	53.61	6.14	Sept.	2.36	Jan.	36.3	166	66	169	131	w.
Benson	Harrison	1,080	20	53.1	98	June 1	− 3	Jan. 9	20	57.15	8.29	Sept.	1.55	Jan.	50.5	157	114	155	97	.....
Bens Run	Pleasants	652	44	54.4	98	June 18	3	Dec. 22	44	45.82	6.67	Dec.	1.58	Jan.	24.9	131	208	90	68	.....
Brandonville	Preston	1,798	4	48.4	93	Aug. 13	−12	Dec. 22	4	55.86	7.40	Dec.	1.97	Jan.	74.5	142	.....	.....	.....	.....
Brownsville	Lewis	1,032	21	55.4	100	Aug. 12†	− 2	Jan. 9	21	48.12	7.16	Sept.	1.51	Aug.	39.0	139	136	119	111	s.
Buckhannon	Upshur	1,411	50	52.0	92	Aug. 13	2	Jan. 10	54	51.53	6.75	Apr.	2.16	July	47.0	140	158	107	101	.....
Cairo, 3 S.	Ritchie	680	39	54.2	98	Aug. 13†	− 1	Jan. 9†	35	49.97	6.01	Mar.	1.65	Jan.	30.4	151	98	162	106	.....
Clarksburg	Harrison	1,015	22	51.2	96	Aug. 12	3	Jan. 10	22	44.27	5.15	June	1.73	Jan.	34.7	140	156	85	125	se.
Creston	Wirt	640	44	55.4	99	Aug. 11†	0	Jan. 9†	44	46.83	5.73	Mar.	1.75	Jan.	31.4	135	101	151	114	.....
Dam 10 Mon. R.	Monongalia	826	....	.....	97	Aug. 5	.....	.....	23	43.98	6.21	Mar.	1.55	Jan.	23.3	153	....	.....	.....	.....
Dam 13 O. R.	Marshall	655	....	.....	.....	.....	.....	.....	29	37.45	6.16	Mar.	1.43	Jan.	21.8	139	.....	.....	.....	.....
Dam 15 Mon. R.	Marion	882	....	.....	.....	.....	.....	.....	23	46.02	6.21	Mar.	1.66	Jan.	18.8	125	.....	.....	.....	.....
Dam 19 O. R.	Wood	600	....	.....	.....	.....	.....	.....	28	37.49	5.88	May	1.21	Jan.	9.2	129	.....	.....	.....	.....
Dam 20 O. R.	Wood	600	....	.....	.....	.....	.....	.....	28	40.63	6.00	Mar.	1.51	Jan.	11.2	121	....	.....	.....	.....
Elizabeth	Wirt	615	....	.....	.....	.....	.....	.....	35	44.37	5.29	Mar.	1.74	Jan.	22.5	113	.....	.....	.....	.....
Elkins	Randolph	1,927	46	50.5	91	Aug. 13	0	Dec. 22	46	52.08	7.76	June	2.34	Nov.	56.0	187	67	106	193	w.
Fairmont	Marion	883	40	53.9	97	July 11†	6	Jan. 9†	53	45.29	6.10	Mar.	1.64	Jan.	36.7	151	149	79	138	w.
Glenville	Gilmer	738	51	56.1	100	Aug. 12†	0	Dec. 20	57	59.23	9.44	Sept.	2.36	Jan.	26.3	147	126	140	100	w.
Grafton	Taylor	1,050	51	51.7	95	July 13†	− 5	Jan. 9	49	48.12	6.25	June	1.96	Jan.	24.7	141	185	61	120	.....
Harrison Co. Airport	Harrison	1,188	5	52.4	95	Aug. 12†	1	Jan. 9	5	42.77	5.30	Dec.	1.46	Jan.	27.2	160	82	131	153	sw.
Hastings	Wetzel	809	....	.....	.....	.....	.....	.....	10	45.30	6.15	Mar.	1.66	Jan.	24.4	160	124	121	121	w.
Jane Lew	Lewis	1,020	....	.....	.....	.....	.....	.....	21	51.14	7.86	Sept.	2.10	Jan.	41.5	147	.....	.....	.....	.....
Mannington, 1½ NW.	Marion	974	43	52.0	95	July 11†	− 5	Dec. 22	43	49.58	6.61	Mar.	1.90	Jan.	39.1	179	123	102	141	w.
Middlebourne, 2¾ SE.	Tyler	750	4	52.8	100	Aug. 12†	− 6	Dec. 22	4	40.17	5.92	June	1.28	Jan.	21.0	119	141	92	133	sw.
Morgantown, 2 N.	Monongalia	1,300	51	53.4	93	Aug. 12†	− 1	Dec. 22	69	43.78	6.30	Mar.	1.51	Aug.	34.5	144	137	88	141	w.
New Cumberland	Hancock	671	50	52.1	99	Aug. 13	1	Dec. 30	47	40.89	7.41	Aug.	1.23	Jan.	23.2	151	96	89	181	nw.
New Martinsville	Wetzel	637	52	51.5	100	Aug. 12	0	Dec. 22	51	41.57	5.97	June	1.45	Jan.	22.4	130	191	102	73	sw.
Parkersburg	Wood	615	60	54.8	99	Aug. 12	7	Dec. 22	60	38.76	5.52	Mar.	1.29	Jan.	21.4	149	120	116	130	se.
Parsons	Tucker	1,649	46	51.4	95	Aug. 11†	2	Jan. 9†	46	59.39	7.98	June	2.93	Aug.	60.3	192	....	.....	.....	nw.
Philippi	Barbour	1,300	....	.....	.....	.....	.....	.....	52	48.96	5.93	Sept.	2.39	Nov.	52.7	165	.....	.....	.....	.....
Pickens	Randolph	2,760	55	45.6	93	July 13	− 9	Jan. 9†	55	72.40	11.15	Dec.	2.53	Jan.	154.6	169	138	87	141	w.
Roanoke	Lewis	1,050	....	.....	.....	.....	.....	.....	21	50.34	6.93	Sept.	2.17	Jan.	30.5	155	118	91	157	.....
Rowlesburg	Preston	1,375	3	53.2	97	Aug. 13†	7	Dec. 22	60	51.55	6.51	Apr.	1.93	Jan.	50.5	135	.....	.....	.....	nw
Saint Marys	Pleasants	625	....	.....	.....	.....	.....	.....	34	44.59	6.07	Mar.	1.65	Jan.	24.0	130	....	.....	.....	.....
Terra Alta, 1 E	Preston	2,559	....	.....	.....	.....	.....	.....	41	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thomas	Tucker	2,950	....	.....	.....	.....	.....	.....	16	61.77	7.99	June	1.86	July	98.0	138	.....	.....	.....	.....
Valley Chapel	Lewis	1,011	21	55.1	99	June 29†	1	Dec. 20	21	51.29	7.88	Sept.	1.89	Jan.	35.6	166	141	120	105	w.
Wellsburg, 3 NE.	Brooke	668	45	52.1	99	Aug. 12†	− 2	Dec. 22†	52	44.33	5.14	Apr.	1.26	Jan.	25.0	110	145	97	124	.....
West Milford	Harrison	979	....	.....	.....	.....	.....	.....	19	52.94	7.94	June	2.10	Jan.	28.7	151	.....	.....	.....	.....
Weston	Lewis	1,026	51	55.7	101	Aug. 13	7	Jan. 9†	54	53.01	8.03	Sept.	2.20	Jan.	52.1	159	.....	.....	.....	.....
Wheeling (Dam 12)	Ohio	659	37	53.0	98	Aug. 12†	1	Dec. 22	61	39.27	6.13	Mar.	1.35	Jan.	41.2	146	120	107	139	sw.
Southern Division																				
Arbovale	Pocahontas	2,727	....	.....	.....	.....	.....	.....	22	36.38	4.75	May	1.27	Jan.	57.1	141	124	132	109	w.
Athens	Mercer	2,600	1	52.6	92	June 18	.....	.....	1	38.94	5.29	Feb.	1.53	Nov.	....	145	.....	.....	.....	nw.
Beckley	Raleigh	2,440	40	.....	.....	.....	.....	.....	40	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Bluefield	Mercer	2,558	46	54.1	92	June 18	3	Feb. 13	50	47.33	7.38	Feb.	2.45	Jan.	75.2	142	186	76	104	.....
Charleston	Kanawha	602	41	.....	.....	.....	.....	.....	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Charleston(Airport)	Kanawha	606	7	55.1	99	Aug. 3†	1	Feb. 13	7	39.18	6.24	Dec.	1.08	July	18.3	142	83	127	156	ne.
Clay	Clay	790	....	.....	.....	.....	.....	.....	31	44.26	6.75	Dec.	2.11	July	40.7	140	.....	.....	.....	.....
Cranberry Glades	Pocahontas	3,400	1	45.6	86	July 28†	−14	Mar. 10	1	51.18	5.84	May	1.16	July	115.8	183	117	120	129	w.
Flat Top	Mercer	3,270	7	48.4	88	Aug. 12†	− 3	Mar. 10	7	46.03	5.91	Mar.	1.94	July	78.0	162	107	133	126	nw.
Gary	McDowell	1,426	25	54.1	96	June 18	2	Feb. 13†	28	40.21	5.76	Feb.	1.96	May	28.7	142	.....	.....	.....	.....
Greenbottom	Cabell	550	6	55.8	100	Aug. 2	.....	.....	6	36.78	5.48	Mar.	1.12	July	21.9	124	95	106	165	w.
Hamlin	Lincoln	642	2	54.6	100	Aug. 13†	− 4	Dec. 15†	2	33.29	5.82	Mar.	0.80	Aug.	19.9	117	111	138	117	.....
Hinton	Summers	1,431	47	54.9	103	June 18	2	Dec. 15	56	40.20	5.40	May	1.60	July	27.2	130	.....	.....	.....	.....
Huntington	Cabell	571	48	58.0	100	June 18†	7	Dec. 20	49	42.60	5.79	May	1.13	July	28.9	146	108	107	151	nw.
Kayford	Kanawha	1,335	....	.....	.....	.....	.....	.....	28	50.74	6.40	Aug.	1.39	Sept.	50.5	111	.....	.....	.....	.....
Lewisburg	Greenbrier	2,250	45	51.2	97	Aug. 3	− 7	Dec. 15	51	36.70	4.96	Mar.	1.46	July	30.7	123	138	118	110	w.
Logan	Logan	700	18	57.0	100	June 18†	7	Feb. 13†	32	47.08	6.70	May	2.03	Nov.	17.2	138	87	146	132	.....
London Locks	Kanawha	623	10	56.5	98	June 18†	.....	.....	10	47.22	5.95	Dec.	2.63	Nov.	23.4	141	.....	.....	.....	.....
Madison	Boone	675	23	54.5	102	Aug. 4†	.....	.....	24	42.50	5.43	Mar.	1.70	Nov.	13.7	156	55	160	60	.....
Oak Hill	Fayette	1,950	3	51.3	92	Aug. 13	1	Feb. 13	3	43.45	4.53	Apr.	1.78	Nov.	42.0	136	116	73	177	.....
Pineville	Wyoming	1,350	3	55.9	99	Aug. 13	0	Feb. 13	3	43.98	5.38	Mar.	1.34	July	25.9	134	181	89	96	.....
Point Pleasant	Mason	595	51	56.7	100	June 29†	5	Dec. 20	55	40.14	6.07	Mar.	0.86	July	14.3	111	167	37	162	w.
Rainelle	Greenbrier	2,424	14	50.4	96	Aug. 3	− 4	Mar. 10†	14	46.58	5.34	Mar.	2.23	Sept.	107.5	185	141	65	160	.....
Ravenswood(Dam 22)	Jackson	584	22	53.5	97	June 29†	− 1	Jan. 9	30	39.27	6.18	Mar.	1.04	July	12.7	127	130	70	156	nw.
Richwood	Nicholas	2,193	14	51.6	94	Aug. 4	0	Feb. 13†	14	43.18	4.97	Feb.	1.45	July	38.0	97	163	60	143	.....
Ripley	Jackson	610	2	54.5	102	Aug. 3	− 2	Dec. 20	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Ryan	Roane	700	43	54.1	.....	.....	− 7	Dec. 20	42	39.91	4.93	Dec.	0.87	July	28.2	128	140	125	101	.....
Seneca State Forest	Pocahontas	2,650	6	47.7	90	June 26†	−15	Dec. 15	6	41.81	6.32	May	2.04	June	60.3	108	188	61	117	w.
Spencer	Roane	789	45	54.2	101	June 18	− 2	Dec. 20	46	45.60	5.97	Sept.	1.97	Jan.	42.0	148	91	146	129	.....
Summersville	Nicholas	1,900	9	49.9	93	Aug. 3†	− 7	Dec. 3	9	46.97	6.20	Dec.	2.31	Nov.	54.0	135	90	122	154	.....
Sutton	Braxton	850	42	55.7	100	Aug. 3†	1	Dec. 20	42	49.73	6.93	Dec.	2.33	Nov.	50.0	152	....	.....	.....	.....
Union	Monroe	2,200	41	51.0	96	Aug. 6†	2	Dec. 15	40	31.50	4.46	Feb.	0.78	July	18.0	124	.....	.....	.....	.....
Webster Springs	Webster	1,500	12	53.9	94	Aug. 3	.....	.....	13	39.02	6.00	Dec.	1.49	Nov.	48.0	103	138	132	96	n.
White Sulphur Springs	Greenbrier	1,914	32	54.5	98	Aug. 4	2	Jan. 14	31	34.80	4.66	Mar.	1.24	July	21.1	124	99	160	106	w.
Williamson	Mingo	673	43	56.9	98	July 26†	8	Feb. 13	44	46.02	6.36	May	2.33	Nov.	13.2	143	146	96	124	se.
Winfield Locks	Putnam	571	7	55.2	99	June 18†	6	Feb. 14	7	36.06	5.89	Mar.	1.48	July	20.2	135	131	87	148	sw.
State averages and extremes		.....	....	**53.0**	**105**	**Aug. 13**	**−15**	**Dec. 15**	....	**44.78**	**11.15**	**Dec.**	**0.78**	**July**	**42.1**	**135**	**132**	**107**	**127**	**w.**

† Also on other dates.

Monthly and Annual Precipitation for the Year 1944, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	2.50	−2.00	4.15	+0.65	5.97	+1.46	5.93	+2.09	6.33	+2.03	5.34	+0.21	*2.40*	−1.84	*1.75*	−2.63	3.73	+0.42	4.42	+1.16	1.82	−1.18	6.51	+2.67	52.85	+3.04
Brandywine	0.80	−1.54	1.55	−0.21	3.86	+1.39	1.79	−0.88	6.65	+3.57	2.86	−1.02	2.73	−0.84	2.26	−1.32	5.80	+3.42	4.17	+1.80	1.07	−0.71	1 56	−0.54	35.10	+3.12
Great Cacapon	*2.60*	.....	2.27	.....	5.19	.....	3.01	.....	2.68	.....	2.12	.....	2.15	.....	1.70	.....	2.68	.....	3.08	.....	1.83	.....	3 21	.....	32.52	.....
Harpers Ferry	2.81	+0.10	1.93	−0.33	5.60	+2.55	2.58	−0.67	1.53	−1.91	1.52	−2 13	2.20	−1.30	1.73	−2 26	4.91	+2.25	4.73	+1.47	2.73	+0.54	4.26	+1.65	36.53	−0.04
Inwood	1.75	.....	3.08	.....	6.23	.....	3.13	.....	2.46	.....	2.75	.....	2.53	.....	1.56	.....	3.63	.....	3.93	.....	1.35	.....	2.79	.....	35.19	.....
Kearneysville	2 78	0.00	2.60	+0.24	5.50	+2.18	3.06	−0.22	1.31	−2.18	1.01	−2.62	3.04	−0.15	1.68	−2.07	5.18	+1.85	4.07	+0.81	2.02	−0.58	3.19	+0.78	35.44	−1.96
Martinsburg	2.72	+0.21	2.75	+0.35	5.56	+2.30	3.01	−0.10	2.41	−0.98	1.85	−2.29	2.53	−1.09	2.54	−1.52	3.72	+0.80	3.76	+0.69	1.57	−0.68	2.34	−0.42	34.76	−2.73
McNeill	2.22	−0.16	2.12	−0.01	4.04	+1.45	2.76	−0.20	3.36	+0.13	3.28	−0.32	1.61	−1.42	2.36	−0.63	4.32	+2.04	4.00	+1.69	1.33	−0.22	2.33	+0.27	33.73	+2.62
Piedmont	2.49	−0.09	3.28	+1.04	5.55	+2.57	3.70	+0.69	4.94	+1.29	3.66	−0.34	2.29	−1.19	1.38	−2.21	4.14	+1.73	4.41	+1.76	1.67	−0.22	4.47	+2.06	41.98	+7.09
Romney	1.69	−0.70	2.97	+1.07	5.43	+2.57	2.84	−0.13	5.03	+1.50	2.49	−1.33	2.09	−1.39	1.56	−2.05	3.50	+0.82	3.77	+1.22	*1.80*	−0.48	3.22	+0.97	35.89	+2.07
Stony River Dam	1.89	−0.92	3.49	+0.64	5.42	+2.07	6.57	+2.82	6.08	+1.48	5.47	+1.45	1.71	−2.43	1.79	−2.79	6.41	+3.63	7.12	+3.92	3.86	+0.91	4.78	+1.54	54.59	+12.32
Wardensville	1.99	−0.14	1.88	+0.17	3.62	+1.42	2.76	+0.25	3.67	+0.71	2.76	−0.24	3.14	+0.04	2.39	−1.24	5.35	+2.76	4.00	+0.84	1.05	−0.58	2 40	+0.66	35 01	+4.65
Northern Division																										
Aberdeen	2.36	−1.04	4.05	+0.95	4.79	+1.00	5.32	+1.52	4.96	+1.09	5.90	+1.54	2.83	−1.96	4.14	−0.34	6.14	+2.83	4.79	+1.25	2.58	−0.76	5.75	+2.75	53.61	+8.83
Benson	1.55	−2.06	4.19	+0.48	6.82	+3.36	4.88	+1.67	3.58	−0.35	6.12	+1 81	4.72	−0.43	4.15	−0.30	8.29	+4.66	3.97	+0.41	2.44	−1.05	6.44	+2.95	57.15	+11.15
Bens Run	1.58	−2.40	2.85	−0.26	5.67	+1.63	3.85	+0.29	6.60	+2.60	3.76	−0.46	2.32	−2.21	3.65	−0.59	3.73	+1.14	2.56	−0.46	2.58	−0.31	6 67	+3.11	45.82	+2.08
Brandonville	1.97	.....	4.60	.....	6.85	.....	4.59	.....	4.15	.....	6.89	.....	4.36	.....	2.41	.....	3.77	.....	6 15	.....	2.72	.....	7.40	.....	55.86	.....
Brownsville	2.01	−1.58	3.88	+0.81	4.58	+1.11	5.36	+2.00	3.87	−0.36	6.01	+1.70	1.68	−3.12	1.51	−2.76	7.16	+3 41	4.47	+1.05	2.60	−1.07	4.99	+1.67	48.12	+2.86
Buckhannon	2.73	−1 67	4.33	+0.57	4.90	+0.39	6.75	+2.86	3.61	−0.82	4.82	+0.11	2.16	−2.56	3.48	−0.61	5.56	+2.60	4.37	+1.23	2.64	−0.46	6.18	+2.00	51.53	+3.64
Cairo	1.65	−2.30	3.33	+0.36	6.01	+2.19	5.03	+1.57	3.44	+0.02	5.82	+1.31	4 05	−0.37	3.44	−0.43	4.74	+1.94	4.02	+1.10	2.99	+0.11	5.45	+2.00	49.97	+7.50
Clarksburg	1.73	−1.58	3.57	+0.53	5.11	+2.09	4.94	+1.57	2.85	−0.83	5.15	+0.88	2.83	−1.25	2.56	−1.92	5.08	+1.48	4.01	+0.88	1.99	−1.20	4.45	+1.37	44.27	+2.02
Creston	1.75	−2.18	3.98	+0.79	5.73	+1.63	4.65	+0.99	2.79	−0.92	4.16	−0 22	2.42	−1.80	4.19	+0.33	5.17	+2.48	4.23	+1.08	2.39	−0.36	5 37	+1.90	46.83	+3.72
Dam 10, Mon. R	1.55	−1.64	2.60	−0.27	6.21	+2.44	4.19	+0.72	3.02	−1.05	5.43	+1 10	3.51	−0.57	2.33	−1.73	3.15	−0.37	5.74	+2.57	1.77	−1.38	4.47	+1.05	43.98	+0.87
Dam 13, O. R	1.43	−1.70	2.19	−0.24	6.16	+2.73	3.95	+0.63	4.68	+1.26	3.95	+0.12	2.88	−1.48	1.63	−1 74	1.45	− 1.53	3.13	+0.44	2.02	−0.36	3.98	+1.00	37.45	−0.87
Dam 15, Mon. R	1.66	−1.56	2.56	−0.43	6.21	+3.07	4.27	+0.98	3.75	+0.15	5.02	+1.03	4.99	+1.06	2.56	−1 57	4.13	+0.94	4.39	+1.15	1.78	−1 51	4.70	+1.57	46.02	+4.88
Dam 19, O. R	1.21	−2 20	2.92	+0.35	5.43	+1.89	3.34	+0.16	5.88	+2.46	3 40	−0.52	1.89	−2.04	2.71	−0.95	3.84	+1.18	2.21	−0.44	1.44	−1.20	3.22	+0.09	37.49	−1 22
Dam 20, O. R	1.51	−2 11	3.05	+0.29	6.00	+2.29	4.55	+1.31	5.43	+1.97	2.56	−1.43	2.21	−1.72	3.45	−0.34	2.87	+0.28	2.83	+0.08	2.01	−0.59	4.16	+1.02	40.63	+1.05
Elizabeth	1.74	−2.03	3.67	+0.81	5.29	+1.54	4.90	+1.73	3.33	−0.10	4.05	−0.16	2.29	−2.11	4.69	+0.69	3.03	+0.46	3.74	+0.82	2.72	+0.18	4.90	+1.77	44.37	+3.60
Elkins	2.51	−1.27	4.26	+1.06	5.38	+1.58	5.41	+1.79	6.59	+2.54	7.76	+2.70	2.53	−2.85	3.03	−0.83	3.15	0.00	3.96	+1.05	2.34	−0.44	5.16	+1.70	52.08	+7.03
Fairmont	1.64	−2.29	2.79	−0.23	6.10	+2.13	4.70	+1.43	3.08	−0.80	3 94	−0 47	5.54	+1.14	3.02	−0.98	4.01	+1.06	4.04	+0.93	1.67	−1.09	4.76	+1.27	45.29	+2.10
Glenville	2.36	−2.07	4.58	+1.01	6.42	+2.13	4.92	+1.16	4.26	+0.14	7.13	+2.74	2.54	−2.33	4.54	+0.31	9.44	+6.22	4.19	+0.98	2.92	−0.13	5.93	+2 00	59 23	+12.16
Grafton	1.96	−1.61	3.54	+0.63	4.71	+0.95	4.31	+1.02	3.25	−0.43	6.25	+2.12	4 30	+0.22	2.67	- 1.04	4.81	+2.20	5.09	+2 13	2.08	−0.35	5.15	+2.07	48.12	+7.91
Harrison County Airp't	1.46	.....	3.16	.....	4.69	.....	4.30	.....	3.17	.....	5.02	.....	3.49	.....	1.73	.....	4.56	.....	4.07	.....	1.82	.....	5 30	.....	42.77	.....
Hastings	1.66	.....	2.78	.....	6.15	.....	4.87	.....	4.62	.....	5.50	.....	2 38	.....	2.70	.....	3.15	.....	3.79	.....	2.68	.....	5.02	.....	45.30	.....
Jane Lew	2.10	−1.16	3.85	+1.08	4.79	+1.53	5.23	+1.58	3.74	−0.86	7.04	+2.97	2.62	−2.32	2.39	−2.46	7.86	+4.62	4.89	+1.57	2.98	−0.34	3.65	+0.57	51.14	+6.78
Mannington	1.90	−2.22	2.99	+0.09	6.61	+2.58	5.92	+2.22	4.29	+0.28	4.89	+0.61	4.54	−0.25	2.62	−1.46	3.24	−0.15	5.12	+1.95	2.10	−0.94	5.33	+1.76	49.58	+4.47
Middlebourne	1.28	.....	2.19	.....	5.47	.....	4.25	.....	3.70	.....	5.92	.....	3.23	.....	1.38	.....	2.98	.....	2.97	.....	2.01	.....	4.79	.....	40.17	.....
Morgantown	*1.70*	−1.76	*2.70*	+0.14	*6.30*	+2.91	4.27	+1.12	3.26	−0.44	4.74	+0.50	3.35	−1.03	1.51	−2.50	3.50	+0.63	5.72	+2.57	1.79	−0.74	4.94	+1.84	43.78	+3.24
New Cumberland	1.23	−1.61	1.83	−0.61	5.29	+2.05	3.89	+0.61	3.14	−0.26	3.27	−1 28	1.82	−2.26	7.41	+4.02	3.96	+1.05	3.82	+1 10	2.06	−0.26	3.17	+0.41	40.89	+2.96
New Martinsville	1.45	−2.53	2.72	−0.12	5.31	+1.52	3.85	+0.35	4.36	+0.69	5.97	+1.86	2.18	−2.31	2.54	−1.35	2.95	−0.08	3.38	+0.26	2.31	−0.53	4.55	+0.99	41.57	−1.25
Parkersburg	1.29	−2.29	3.18	−0.05	5.52	+2.03	3.53	+0.34	3.55	+0.17	3.44	−0.56	1.74	−2.55	2.97	−0.54	4.29	+1.53	1.89	−0.59	1.85	−0.72	5.51	+2.48	38.76	−0.75
Parsons	3.01	−1.60	4.52	+1.00	5.51	+1.30	6.76	+3.00	6.80	+2.67	7.98	+2.99	3.10	−1.99	2.93	−1.12	4.51	+1.36	5.31	+2.04	3.02	+0.09	5.94	+1.89	59.39	+11.63
Philippi	2.55	−1.59	3.76	+0.58	4.99	+0.85	5.05	+1.33	2.91	−1.36	4.72	+0.03	3.69	−1.04	3.16	−1.08	5.93	+2.63	4.80	+1.66	2.39	−0.54	5.01	+1.24	48 96	+2.71
Pickens	2.53	−3.79	6.60	+1.51	7.70	+1.79	8.05	+2.86	5.40	+0.15	9.45	+3.65	4.27	−1.77	5.03	−0.44	2.59	−1.51	5.42	+1.38	4.21	−0.01	11.15	+5.77	72.40	+9.59
Roanoke	2.17	−1.43	4.03	+0.65	4.70	+1.08	4.73	+1.15	4.50	+0.14	3.46	−0.85	2.57	−2.32	3.76	−0.58	6.93	+3.53	5.11	+1.69	2.58	−0.79	5.80	+2.43	50.34	+4.70
Rowlesburg	1.93	−2.98	4 14	+0.49	5.34	+0.49	6.51	+2.32	5.03	+0.40	5.94	+0.57	2.67	−2.53	2.29	−2.24	4.56	+1.08	4.75	+0.40	2.91	−0.64	5.48	+1.10	51.55	−1.54
St. Marys	1.65	−2.09	2.97	+0.04	6.07	+2.15	4.27	+0.85	2.43	−1.08	5.51	+1.34	4.88	+0 72	2.12	−1.97	2.13	−0.57	3.69	+0.83	3.07	+0.27	5.80	+2.46	44.59	+2.95
Terra Alta	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	*4.20*	*+0.49*	.....	.....	3.02	−0.18	.....	.....	.....	.....
Thomas	2.35	−1.63	6.51	+2.95	6.42	+1.31	7.69	+3.51	5.84	+0.59	7.99	+2.88	1.86	−4.63	2.56	−2.53	5.34	+1.34	5.93	+1.69	3.26	+0.27	6.02	+2.17	61.77	+7.92
Valley Chapel	1.89	−1.65	3.72	+0.65	5.24	+1.55	5.20	+1.79	3.54	−0.35	4.45	+0.70	2.85	−2.08	3.56	−0.60	7.88	+4.56	4.39	+0.98	2.68	−0.59	5.89	+2.67	51.29	+7.63
Wellsburg	1.26	−1.79	1 88	−0.31	4.88	+1.69	5.14	+1.98	4.84	+1.64	4 49	+0.35	4.07	−0.11	3.46	−0.10	4.71	+1.72	3.89	+1.17	2.70	+0.13	3.01	+0.10	44.33	+6.47
West Milford	2.10	−0.97	4.03	+0.70	5.82	+2.28	5.41	+1.59	4.52	+0.79	7.94	+3.67	2.96	−1.69	2 37	−2.25	5.86	+2.59	4.11	−0.11	2.29	−1 32	5.53	+2.45	52.94	+7.78
Weston	2.20	−1.91	4.50	+0.90	5.93	+1.65	5.36	+1.85	3.59	−0.25	4.68	+0.34	2.24	−2.18	2.54	−1.16	8.03	+5.40	4.56	+1.75	2.60	−0.34	6 78	+3.15	53.01	+9.20
Wheeling (Dam 12)	1.35	−1.69	1.96	−0.33	6.13	+2.85	5.79	+2.56	4.71	−1 61	3.29	−0.60	1.65	−2.65	3.14	−0.41	1.92	−1.00	3.26	+0.53	2.27	−0.16	3.80	+0.82	39.27	+1.53
Southern Division																										
Arbovale	1.27	−1.54	4.04	+1.17	3.50	−0.31	3.16	−0.06	4.75	+1.34	4.50	+0.75	1.46	−3.25	3.06	−1.25	3.06	+0.53	2.31	−0 33	1.95	−1.13	3.32	+0.16	36.38	−3.92
Athens	2.12	.....	5.29	.....	4.00	.....	2.52	.....	3.76	.....	3.38	.....	3.43	.....	1.99	.....	4.64	.....	3.21	.....	1.53	....	3.07	.....	38 94	.....
Beckley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.41	−2. 97	.....	.....	.....	.....	4.29	+1.31	.....	.....	.....	.....	.....	.....
Bluefield	2.45	−0.56	7.38	+4.45	4.93	+1.81	3.32	+0.21	3.95	+0.83	3.16	+1.07	3.46	−0.61	3.18	−0.43	3.32	+1.00	4.52	+1.75	2.94	+0.89	5.06	+2.18	47.33	−10.11
Charleston	2.70	−1.33	3.05	−0.26	4.95	+0.45	3.51	−0.36	*4.66*	+0.88	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.12	+0 48	.....	.....
Charleston (Airport)	2 23	.....	3.36	.....	4.92	.....	3.97	.....	3.93	.....	2.18	.....	1.08	.....	2.31	.....	3.02	.....	4 10	.....	1.84	.....	6.24	.....	39.18	.....
Clay	2.31	−1.37	3.30	+0.04	5.26	+1.11	4.41	+0.97	5.30	+1.51	2.05	−2.46	2.11	−2.87	3.20	−1.29	2.96	−0.26	4.31	+1.33	*2.30*	−0.60	*6.75*	+3.25	44.26	−0.64
Cranberry Glades	2.76	.....	5.59	.....	5.76	.....	4.60	.....	5.84	.....	3.29	.....	1.16	.....	5.50	.....	4 21	.....	3.71	.....	3.11	.....	5.65	.....	51.18	.....
Flat Top	2.77	.....	5.15	.....	5.91	.....	3.99	.....	4.69	.....	3.36	.....	1 94	.....	4.37	.....	3 22	.....	4.11	.....	2.34	.....	4.18	.....	46.03	.....
Gary	2.22	−1.23	5.76	+2.62	5.70	+1.54	3.41	−0.08	1.96	−2.01	2.25	−2.82	3.67	−1.26	2.41	−1.70	2 09	−0.90	3.98	+1.08	2.33	−0.37	4.46	+1.09	40.24	−4.04
Greenbottom	*1.70*	.....	4.17	.....	5.48	.....	2.59	.....	4.33	.....	2.29	.....	1.12	.....	1.89	.....	3.76	.....	2.07	.....	2.98	.....	4.40	.....	36.78	.....
Hamlin	2.16	.....	2.37	.....	5.82	.....	3.12	.....	2.75	.....	2.76	.....	1.47	.....	0.80	.....	2.30	.....	4.21	.....	1.94	.....	3.59	.....	33.29	.....
Hinton	2.61	−0.65	4.75	+1.86	4.76	+0.86	3.41	+0.21	5.40	+1.85	2.98	−1.32	1.60	−2 47	2 53	−1.63	3.33	+0 64	3.64	+0.81	1.85	−0.56	3.34	+0.16	40.20	−0.24
Huntington	2.10	−1.69	3.22	+0.14	5.52	+1.30	4.80	+1.29	5.79	+1.82	2.72	−1.51	1.13	−3.17	2.28	−1.42	3.85	+1 40	3.80	+1.28	2.44	−0.08	4.95	+1.58	42.60	+0.94
Kayford	2.34	−1.88	4.24	+0.80	4.87	+0.23	4.88	+0.82	3.74	−0.66	*3.20*	−1.99	5.01	−0.16	6.40	+1.57	1.39	−1.99	4.24	+0.92	2.69	−0.46	7 74	+3.83	50.74	+1.03
Lewisburg	2.32	−1.03	3.93	+1.14	4.96	+1.32	2.58	−0.74	3.55	+0.19	3.80	−0.14	1.46	−2 43	2.62	−1.33	3.71	+1.02	3.24	+0.24	1 90	−0.58	2.63	−0.48	36.70	−2.82
Logan	2.49	−1.93	4.79	+1.29	4.92	+0.20	4.35	+0.20	6.70	+2.59	4.31	−0.58	3.50	−1.43	5.08	+0.59	2.19	−0.96	2 80	−0.25	2.03	−1.20	3.92	−0.18	47.08	−1.66
London Locks	2.66	.....	3.40	.....	4.73	.....	4.79	.....	5.72	.....	3.78	.....	3.22	....	2.96	.....	3.16	.....	4.22	.....	2.63	.....	5.95	.....	47.22	.....
Madison	2.62	−1.48	2.86	−0.37	5.43	+1.25	4.43	+0.59	4.57	+0.24	2.18	−1.98	5.33	0.00	2.69	−1.13	2.94	−0.52	3.57	+0.94	1.70	−0.95	4.18	+1.28	42.50	−2.13
Oak Hill	2 85	.....	3.83	.....	3.36	.....	4.53	.....	4.39	.....	3.94	.....	2.13	.....	3.88	.....	4.11	.....	4.48	....	1.78	.....	4.17	.....	43.45	.....
Pineville	2.76	..	4.82	.....	5.38	.....	5.28	.....	3.79	.....	3.61	...	1.34	.....	3.74	.....	2.91	.....	4.36	...	2.20	.....	3.79	.....	43.98	.....
Point Pleasant	1.70	−2.25	3.73	+0.58	6.07	+1.98	4.24	+0.93	4.58	+0.59	3.07	−1.01	0.86	−3.28	5.90	+2.69	2.60	+0.19	2.11	−0.70	1.70	−1.13	3.58	+0.08	40 14	−1 33
Rainelle	3.02	−1.19	4.58	+0.37	5.34	−0.21	4.61	+0.42	4.90	+0 43	2.72	−2.38	2.67	−3.12	3.77	−2.01	2.23	−0.89	4.68	+2.07	2.95	−0.04	5.11	+1.58	46.58	−4.97
Ravenswood (Dam 22)	1.91	−1.69	3.38	+0.41	6.18	+2.29	4.56	+1.40	5.29	+1.58	2.05	−2 09	1.04	−2.98	3.99	+0.64	2.34	+0.04	2.83	+0.04	1.82	−0 90	3.88	+0.56	39.27	−0.50
Richwood	2.02	−2.03	4.97	+0.85	4.61	−0.89	4.79	+0.95	4.83	+0.13	2.82	−2.27	1.45	−5.39	3.19	−1.97	3.13	+0.02	4.09	+1 24	2.44	−0.45	4 84	+1 35	43.18	−8.46
Ripley	.....	.....	.....	.....	4.60	.....	.....	.....	.....	.....	.....	.....	1.21	.....	5.48	.....	4.98	.....	2.74	.....	2.20	.....	4.09	.....	.....	.....
Ryan	2.22	−1.83	3.70	+0.42	4.92	+0.56	3.99	+0.21	3.63	−0.01	0.98	−3.67	0.87	−3.78	*4.80*	+0.72	*3.83*	+0.83	4.14	+0.98	1.90	−0.97	4.93	+1.68	39.91	−4.81
Seneca State Forest	2.27	.	4.47	.....	4.13	.....	3.74	.....	6.32	.....	2.82	.....	2 04	.....	3.32	.....	3.22	.....	3.36	.....	2.31	.....	3.81	.....	41.81	.....
Spencer	1.97	−2.04	3.70	+0.55	4.88	+0.81	5.03	+1.64	3.74	+0.09	2.00	−2.51	2.00	−2.24	4.13	+0.16	5.97	+3.09	4.29	+1.13	2.30	−0.37	5.59	+2.18	45.60	+2.49
Summersville	2.40	.....	4.56	.....	4.38	.....	4.99	.....	5.40	.....	2.43	.....	2.90	.....	3.41	.....	3.28	.....	4.71	.....	2.31	.....	6 20	.....	46.97	.....
Sutton	2.47	−2.07	4.25	+0.81	5.30	+0.96	5.07	+1.22	3.87	−0.49	3.73	−1 23	2.54	−2.79	4 78	+0.53	3.20	−0.15	5 26	+2.27	2.33	−0.87	6.93	+3.11	49.73	+1.30
Union	1.97	−1.18	4.46	+1.61	4.26	+0.71	2.86	−0.03	3.33	+0.13	1.89	−2.10	0.78	−3.01	1.18	−2.75	3.01	+0.46	3.66	+0.93	1.65	−0.69	2.45	−0.47	31.50	−6.39
Webster Springs	2.07	.....	4.06	.....	3.98	.....	3.72	.....	2.74	.....	4.18	...	1.74	.....	3.35	.....	2 60	.....	3.09	.....	1.49	.....	*6.00*	.....	39.02	.....
White Sulphur Springs	2.07	−1.26	4.00	+1.37	4.66	+1.09	2.71	−0.57	3.14	−0.33	2.21	−1 77	1.24	−2.68	2.84	−0.75	4.15	+1.31	3.16	+0.35	2.12	−0.16	2.50	−0.60	34.80	−4.00
Williamson	2.89	−1.06	5.00	+1.65	5.09	+0.55	4.26	+0.58	6.36	+2.28	2.76	−2.01	2.63	−1.80	3.43	−0.56	3.27	+0 28	3.08	+0.29	2.33	−0.49	4.92	+1.14	46.02	+0.85
Winfield Locks	1.83	.....	3.18	....	5.89	.....	4.18	.....	3.28	.....	1.71	.....	1.48	.....	1.58	.....	3 87	.....	3.60	.....	1.74	.....	3.72	.....	36.06	.....
Average for State	**2.11**	**−1.46**	**3.77**	**+0.66**	**5.21**	**+1.29**	**4.43**	**+0.89**	**4.35**	**+0.38**	**4.19**	**−0.27**	**2.65**	**−1.97**	**2.96**	**−1.15**	**4.19**	**+1.29**	**4.07**	**+1.19**	**2.22**	**−0.51**	**4.63**	**+1.33**	**44.78**	**+1.74**

Italic figures indicate values interpolated from nearby stations.

Supplemental Monthly and Annual Precipitation for 1944, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
Bartow	1.26	−2.26	4.41	+1.68	3.88	−0.40	3.83	+0.69	5.30	+1.82	4.58	−0.15	2.02	−2.76	2.89	−2.35	3.35	+0.33	3.70	+0.38	2.06	−0.71	4.90	+1.70	42.18	−2.03
Belington	2.64	.....	4.23	.....	5.31	.....	6.17	.....	6.84	.....	5.75	.....	2.67	.....	3.18	.....	4.65	.....	5.13	.....	2.20	.....	5.69	.....	54.46	.....
Big Skin Creek	2.63	.....	4.33	.....	5.70	.....	5.61	.....	5.51	.....	4.89	.....	3.15	.....	2.60	.....	6.92	.....	4.86	.....	2.51	.....	5.72	.....	54.43	.....
Camden-on-Gauley	2.11	−1.35	3.79	+0.80	4.15	−0.31	4.52	+0.75	4.68	−0.61	3.93	−1.14	2.62	−2.29	2.83	−2.64	2.99	−0.37	4.04	+1.02	2.01	−1.63	5.36	+1.22	43.01	−6.55
Crawford	2.31	−1.17	3.67	+0.35	4.80	+0.47	5.16	+0.93	5.60	+1.11	4.13	−0.64	3.10	−2.04	3.13	−1.45	5.61	+1.87	5.52	+2.03	2.57	−1.07	5.83	+2.24	51.43	+2 63
Dailey	*2.50*	.....	3.61	.....	4.92	.....	5.23	.....	7.07	.....	7.41	.....	2.71	.....	3.71	.....	3.16	.....	3.82	.....	2.33	.....	3.97	.....	50.44	.....
Elk	2.17	.....	3.94	.....	4.68	.....	5.58	.....	3.95	.....	6.22	.....	3.17	.....	2.65	.....	7.76	.....	4.48	.....	2.68	.....	4.90	.....	52.18	.....
Hackers Creek	2.04	.....	3.09	.....	6.81	.....	5.73	.....	3.67	.....	3.96	.....	2.79	.....	2.80	.....	7.12	.....	4.73	.....	1.77	.....	6 75	.....	51.24	.....
Hall	2.85	.....	4.03	.....	5.33	.....	5.14	.....	5.30	.....	4.53	.....	2.70	.....	3.85	.....	5.86	.....	5.51	.....	2.44	.....	5.07	.....	52.61	.....
Hogsett	1.24	−2.60	3.39	+0.46	6.49	+2.61	4.66	+1.39	3.79	+0.11	1.25	−2.78	0.69	−3.19	2.11	−1.05	4.33	+2.15	3.02	+0.39	2.19	−0.49	3.02	−0.24	36.18	−3.24
Horner	2.20	−1.83	4.09	+0.44	4.66	+0.90	5.63	+2.27	4.64	−0.03	6.20	+1.90	2.83	−1.97	3.45	−1.43	7.27	+3.74	5.08	+1.39	2.64	−1.15	5 25	+1.72	53.94	+5.95
Ireland	2.55	.....	3.12	.....	4.69	.....	3.33	.....	4.32	.....	5.38	.....	0.99	.....	4.40	.....	*5.60*	.....	3.86	.....	2.33	.....	5.34	.....	45.91	.....
Knobly Mountain	*2.00*	.....	3.01	.....	5.63	.....	3.50	.....	5.02	.....	3.67	.....	1.60	.....	1.76	.....	4.01	.....	4.27	.....	1.28	.....	2.80	.....	38.55	.....
Kumbrabow St. Forest	2.85	.....	6.59	.....	7.32	.....	9.20	.....	7.22	.....	6 86	.....	4 59	.....	4.96	.....	2.26	.....	5.21	.....	4.27	.....	10.29	.....	71.62	.....
Midvale	2.50	.....	4.28	.....	5.33	.....	6.10	.....	7.07	.....	7.97	.....	3.08	.....	3.56	.....	5.43	.....	5.03	.....	2.80	.....	6.27	.....	59.32	.....
Mt. Clare	2.10	.....	3.88	.....	4.79	.....	4.93	.....	3.13	.....	7.59	.....	3.20	.....	2.65	.....	6.72	.....	4.31	.....	2.18	.....	5.59	.....	51.07	.....
Petersburg	2.13	.....	2.28	.....	3.90	.....	2.11	.....	4.36	.....	2.39	.....	1.99	.....	1.94	.....	4.64	.....	3.28	.....	1.16	.....	1.87	.....	32.05	.....
Princeton	1.56	.....	6.04	.....	4.55	.....	*2.73*	.....	3.41	.....	1.91	.....	4.57	.....	1.57	.....	2.43	.....	4.37	.....	1.79	.....	2.19	.....	37.12	.....
Rockford	2.24	.....	4.46	.....	5.06	.....	4.76	.....	3.80	.....	7.13	.....	3 15	.....	3.36	.....	7.31	.....	4.35	.....	2.61	.....	5.05	.....	53.28	.....
Salem	1.64	.....	3.40	.....	5.77	.....	4.40	.....	4.60	.....	8.57	.....	3.72	.....	4.57	.....	5.82	.....	3.50	.....	2.62	.....	5.25	.....	53.86	.....
Shinnston	1.98	.....	2.12	.....	7.44	.....	4.99	.....	2.84	.....	2.96	.....	6.22	.....	1.27	.....	5.64	.....	3.77	.....	*2.35*	.....	5.92	.....	47.50	.....
Spruce Knob	1.20	−1.82	3.14	+0.38	3.56	−0.32	4.57	+0.99	7.59	+2.50	2.63	−2.00	3.34	−2.03	3.26	−2.39	6.81	+3.44	6.12	+2.79	2.16	−0.22	2.00	−0.39	46.38	+0.93
Valley Head	1.77	.....	5.39	.....	4.50	.....	4.83	.....	4.71	.....	5.25	.....	4.26	.....	2.81	.....	1.94	.....	4.76	.....	2.22	.....	6.22	.....	43.86	.....
Vandalia	2.39	−0.68	3.68	+0.66	4.35	+1.15	4.85	+1.15	5.81	+2.23	5.35	+1 54	3.40	−1.76	3.52	−0.68	5.68	+2.41	4.32	+1.35	2.28	−1.10	6.05	+3.65	51.68	+9.92
Wayne	2.37	−1.39	3.52	+0.60	5.17	+0.57	4.55	+0.89	4.55	+0.97	1.72	−2.30	0.68	−3.91	2.24	−2.01	2.97	−0.12	2.41	−0.47	2.20	−0.86	2.33	−0.70	34.71	−8.73

Monthly and Annual Mean Temperatures for the Year 1944, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.
Panhandle Division																										
Bayard	27.7	−1.1	30.1	+0.5	32.9	−4.8	43.6	−0.1	60.4	+4.0	65.0	+1.5	*68.0*	+0.4	*68.0*	+2.2	58.2	−2.7	49.0	−0.2	37.9	−1.2	25.7	−2.4	47.2	−3 9
Brandywine	31.4	+0.5	36.3	+1.6	39.6	−1.8	48.8	−1.1	65.8	+7.2	68 8	+1.8	70.2	−1.1	69.7	−0.2	62.4	−2.3	50.9	−2.4	41.0	−1.0	27 0	−7.2	51.0	−0.5
Great Cacapon	*34.0*	.....	38.3	.....	42.6	.....	52.0	.....	*68.5*	.....	74.3	.....	79.7	.....	77.0	.....	69.6	.....	54.2	.....	43.0	.....	29.3	.....	55.2	.....
Inwood	35.1	.....	35.4	.....	39.2	.....	50.4	.....	68.2	.....	73.8	.....	76.9	.....	75.4	.....	68.4	.....	54.0	.....	47.0	.....	30 4	.....	54.5	.....
Kearneysville	33.6	−0.3	35.4	+1.5	39.7	−2.3	51.7	+0.4	69.0	+5.6	73.6	+1.7	76.8	+0.7	75.2	+0.9	67.4	−0.1	53.6	−1.3	44.4	−0 6	30.2	−5.1	54.2	+0.1
Martinsburg	34.2	+3.2	36.3	+4.9	38.7	−2.9	49.2	−2.4	68.6	+5.8	72.6	+1 6	76.3	+0.6	74.1	+1.1	66.2	−0.7	52.2	−2.5	43.0	−0.2	29.2	−4.8	53.4	+0.3
McNeill	30.3	−0.7	36.4	+4.1	41.2	+0.2	49.6	−2.2	68.0	+7.8	71.6	+3.8	71.2	−0.4	70.8	−0.5	64.7	−1.1	52.6	−1.5	43.2	+0.9	28.4	−4.2	52.3	+0.5
Piedmont	31.8	+0.9	35.2	+1.4	38.4	−2.8	49.0	−1.4	67.6	+7.6	70.9	+2.8	73.2	+0.9	72.6	+2.1	64.8	−0.9	53.0	−0.4	42 7	+0.5	28.5	−4.5	52.3	+0.5
Romney	34.0	+2.5	37.3	+3.1	42.6	+0.2	50.8	−0.9	68.2	+5.3	72.6	+2.7	74.0	−0.9	74.0	+1.4	66.6	−0.2	55.2	+0.3	43.8	+0.7	29 8	−4.7	53.9	+0 6
Wardensville	30.6	−0.2	33.2	−0.6	37.8	−4.1	48.4	−1.2	67.4	+8.0	70.2	+4.7	72.8	+2.2	71.8	+2.3	63.9	−0.3	51.5	−1.1	42.2	−1.7	27.8	−5.9	51.5	+0.2
Northern Division																										
Benson	32.1	−2.0	36.8	−1.2	38.8	−1.5	50.6	−2.0	67.4	+6.6	73.2	+5.0	72 6	+0.1	72.2	+1.5	65.6	−1.3	54.5	+1.6	42.8	−0.3	30.1	−6 1	53.1	+0.1
Bens Run	34.2	+1.3	38.0	+5.2	40.7	−2.8	52.6	−0.2	70.4	+7.4	75.2	+4.4	75.4	+0.3	74.9	+1.3	65.2	−3.2	54.9	−1.7	42.7	−1.4	28.4	−6.4	54.4	+0.4
Brandonville	29.9	.....	30.6	.....	33.8	.....	45.6	.....	63.5	.....	67.2	.....	67.9	.....	67.8	.....	60.6	.....	48.6	.....	39.1	.....	26.0	.....	48.4	.....
Brownsville	35.8	+1.2	40.4	+2.8	43.2	+1.3	52.9	+0.6	68.8	+7.2	74 0	+4.5	73.8	0.0	74.0	+1.8	66.4	−1.2	56.4	+1.8	46.2	+1.6	32.4	−4.2	55.4	+1.5
Buckhannon	32.8	+0.3	37.8	+4.7	39.6	−2.3	50.1	−1.0	64.4	+3.3	68.9	+0.5	68.8	−3.0	69.0	−0.9	64.7	+0.2	54 5	+0.7	42.8	+0.6	31.0	−3.2	52.0	0.0
Cairo	33.0	−1.4	38.8	+4.6	41.8	−2.5	52.4	−1.6	68.8	+5.7	73.6	+3.3	73.4	−0.9	73.3	+0.8	65.4	−2.7	55.7	−0.1	44 2	+0.5	29.4	−5.3	54.2	+0.1
Clarksburg	30.6	−2.0	34.6	0.0	37.4	−2.3	49.1	−2.1	66.4	+6.1	70.7	+1.3	71.9	−1.9	71.3	−0.7	63.2	−4.3	52.3	−1 1	39 8	−3.0	26.6	−8.6	51.2	−1.5
Creston	34.5	+0.4	40.6	+5.9	42.6	−1.4	53.5	+0.1	70.6	+7.5	74.0	+3.3	74.8	+0.1	74.8	+1.7	67.0	−0.8	56.0	+0.3	45.6	+1.4	31.0	−4.3	55.4	+1.2
Elkins	32.4	+2.0	35.6	+4.0	38.3	−1.7	48.4	−0.4	65.2	+6.0	68.2	+1.3	69.3	−1.0	68.4	−0.7	61.6	−0.3	50.6	−0.5	40.0	+0.7	28.0	−3.7	50.5	+1.0
Fairmont	33.7	+1.5	36.2	+3.1	39.6	−1.9	52.8	+1.0	69.9	+7.8	73.2	+2.9	74.2	−0.1	74.0	+1.3	66.5	−0.9	55.0	−0.1	42.7	−0.2	29.0	−5.0	53.9	+0.8
Glenville	35.0	+1.2	41.1	+6.5	43.2	−1.5	54.6	+0.7	70.7	+7.1	75.8	+4.7	76.2	+0.9	75.6	+1.7	68.2	−0.3	57.6	+1.4	44.7	+0.4	30.5	−5.4	56.1	+1.5
Grafton	31.4	−1.2	35.6	+3.0	38.4	−3.1	48.8	−2.7	65.2	+3.7	69.4	+0.3	69.8	−2.8	70.2	−1.2	63.4	−3 7	53.8	−1.4	44.9	+1 8	29.6	−4.6	51.7	−1.0
Harrison County Airport	32.2	.....	35.7	.....	39.4	.....	50.8	.....	68.2	.....	70.9	.....	72.4	.....	71.8	.....	64.2	.....	52.9	.....	41.8	.....	28.6	.....	52.4	.....
Mannington	31.8	−0.1	36.4	+3.6	39.2	−3.1	50.4	−0.7	67.2	+6.8	71.9	+4.1	71.0	−0.8	70 6	+0.4	62.6	−2.3	53.0	−0.6	42.0	0.0	28.3	−5.3	52.0	+0.1
Middlebourne	32.8	.....	36.0	.....	39.2	.....	51.6	.....	67.9	.....	72.6	.....	73.0	.....	72.9	.....	64.6	.....	53.4	.....	41.6	.....	27.8	.....	52.8	.....
Morgantown	*32.0*	−0.3	*36.5*	+3.7	*39.2*	−2.8	52.0	−0.3	68.9	+6.8	72.0	+8.1	72.9	−0.6	72.8	+0.8	65.2	−2.3	54.4	−0.8	44.3	+0.5	30.2	−4.2	53.4	+0.3
New Cumberland	32.4	+3.8	32.8	+3.7	38.6	−0.8	49.6	+0.4	67.2	+7.0	72.3	+4.1	72.7	−0.3	72.8	+2.0	63.0	−2.5	53.6	−0.4	43.8	+2.2	26.5	−5.2	52.1	+1.2
New Martinsville	33.7	+0.6	37.6	+4.1	41.0	−2.3	52.5	−0.6	69.7	+6.7	74.8	+3.7	74.9	−0.3	74.8	+1.1	66.6	−1.9	55.2	−1.6	44.4	−0.4	29.2	−6.1	54.0	+0.2
Parkersburg	34.5	+2.0	37.9	+3.7	40.4	−2.4	52.6	−0.8	71.0	+7.2	74.3	+2.9	75.8	+0.4	75.5	+1.6	66.8	+1.6	55.4	−0.7	44.0	+0.2	29.8	−5.4	54.8	+0.6
Parsons	31.4	−3.1	35.0	+3.3	39.1	−1.4	49.0	−0.2	66.0	+7.2	69.6	+2.7	70.8	0.0	70.0	+0.6	63 6	−0.1	52.5	+1.0	40.6	−0.6	28.8	−3.5	51.4	+0.5
Pickens	24.5	−6.4	30.1	−1.8	34.4	−4.8	42.8	−5.3	60.4	+2.3	64.4	−0.5	65.0	−3.6	64.2	−2.3	57.6	−1.2	45.2	−6.5	35.3	−5.1	23.2	−9.0	45.6	−3.9
Rowlesburg	33.6	.....	36.0	.....	38.6	.....	49.9	.....	68.2	.....	72.4	.....	73.0	.....	72.6	.....	65.4	.....	54.6	.....	42.8	.....	30.8	.....	53.2	.....
Valley Chapel	35.0	−0.1	39.0	+0.5	42.4	−0.1	51.9	−1.2	70.0	+8.4	75.0	+5.4	74.3	+0.3	74.2	+1.7	67.6	−0.4	55.8	+0.4	44.5	−0.5	31.0	−6.5	55.1	+0.7
Wellsburg (near)	32.0	+1.8	33.6	+3.6	38.2	−1.6	49.7	+0.1	67.2	+7.0	72.1	+4.1	71.9	−0.3	72.2	+1 9	64 4	−0.5	52.8	−0.7	43.0	+1.2	27.6	−4.8	52.1	+1.0
Weston	35.4	+1.3	40.2	+6.3	42.0	−1.8	53.8	+1.0	70.4	+7.7	74.8	+4.4	75.4	+1.0	75.2	+2.5	67.6	+0.3	57.0	+1.5	44.9	+0.9	31.8	−4.0	55.7	+1.7
Wheeling (Dam 12)	33.2	+2.8	34.2	+2.1	37.0	−3.5	50.0	−1.6	68.2	+6.4	73.0	+2.4	74.2	−0.6	74.4	+1.6	65.8	−1.6	54.2	−0.7	43.6	+1.4	28.0	−4.6	53.0	+0.4
Southern Division																										
Athens	*36.5*	.....	*40.3*	.....	41.4	.....	50.9	.....	65.0	.....	69.4	.....	69.2	.....	70.5	.....	64.2	.....	52.4	.....	42.0	.....	29.0	.....	52.6	.....
Beckley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	71.8	+0.6	.....	.....	64.8	+0.7	53.0	−1 4	.....	.....	.....	.....	.....	.....
Bluefield	36.9	+2.0	40.4	+5.6	42.6	−1.8	52.6	−1.0	67.0	+5.4	71.5	+1.4	71 4	−0.2	70.8	+0.3	65.2	−1.0	54.8	−0.9	43.6	−1.3	32.3	−4.6	54.1	+0.3
Charleston	38.8	+0.9	43.5	+4.3	45.6	−1.8	56.2	−0.1	71.9	+6.5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	30.4	−9.2	.....	.....
Charleston (Airport)	34.8	.....	39.1	.....	41.9	.....	53.1	.....	69.6	.....	73.6	.....	74.8	.....	74.8	.....	68.2	.....	56.2	.....	43.8	.....	30.9	.....	55.1	.....
Cranberry Glades	27.9	.....	30.8	.....	33.6	.....	43.4	.....	57.8	.....	62.4	.....	63.2	.....	62.2	.....	57.3	.....	47.2	.....	36.3	.....	25.4	.....	45.6	.....
Flat Top	31.0	.....	33.8	.....	36.1	.....	46.2	.....	61.4	.....	66.0	.....	66.0	.....	65.6	.....	60.9	.....	49.8	.....	37.4	.....	26.3	.....	48.4	.....
Gary	36.0	+0.9	40.8	+2.9	42.2	−0.3	51.6	−1.8	67.5	+6.4	72 0	+2.7	71.8	−1.3	71.5	−0.5	66.4	−2.1	54.4	−1.2	43.0	−2.0	31.8	−6.0	54.1	−0.2
Greenbottom	36.0	.....	40.6	.....	40.9	.....	53.3	.....	70.0	.....	75.4	.....	76.3	.....	75.6	.....	67.9	.....	56.7	.....	44.4	.....	31.4	.....	55.8	.....
Hamlin	34.6	.....	40.6	.....	42.6	.....	53.2	.....	69.2	.....	73.4	.....	73.6	.....	73.8	.....	66.4	.....	54.7	.....	42.3	.....	30.2	.....	54.6	.....
Hinton	36.1	+1.6	40.2	+4.7	42.6	−1.5	53.1	−0.1	69.3	+5.9	74.2	+3.7	73.6	−0.8	73.7	+0.4	67.4	−0.6	55.6	−1.4	43.0	−1.1	30 0	−5.8	54.9	+0.4
Huntington	37.4	+3.4	43.0	+8.3	45.5	+0.5	56.2	+1.6	72.2	+7.5	77.9	+5.0	78.0	+1.4	77.4	+2.6	69.8	+0.8	58.8	+2.4	46.7	+2.4	33.6	−2.0	58.0	+2.8
Lewisburg	32.2	−0.2	37.0	+3.7	40.2	−1.9	48.6	−1.9	64.6	+4.5	69.3	+2.1	70 2	−0.8	70.0	+0.6	63.8	−0.5	51.6	−1 6	39.4	−2.5	27.2	−6.0	51.2	−0.4
Logan	37.0	−2.0	41.8	+2.3	44.3	−2.8	54.3	−3.0	71.2	+4.2	76.2	+2.6	75.9	−0.1	75.7	+0.7	70.0	−0.4	58.5	−1.6	46.1	−1.2	32.8	−6.3	57.0	−0.6
London Locks	*36.0*	.....	42.2	.....	42.8	.....	54.6	.....	71.0	.....	74.5	.....	76.0	.....	75.8	.....	69.2	.	57.8	.....	45.8	.....	32.6	.....	56.5	.....
Madison	33.0	−3.6	38.5	+1.9	42.2	−0.5	51.4	−2.9	68.7	+4.9	72.6	+0.3	72.8	−2.0	73.8	−0.6	67.5	−0.2	55.6	0.0	*46.0*	+2.5	*32.2*	−2.8	54 5	−0.3
Oak Hill	32.5	.....	36.9	.....	39.6	.....	49.4	.....	65.6	.....	69.4	.....	69.4	.....	68.9	.....	63.3	.....	50.5	.....	42.4	.....	27.8	.....	51 3	.....
Pineville	37.4	.....	41.0	.....	43.5	.....	54.0	.....	68.8	.....	74.6	.....	73.6	.....	74 0	.....	68.2	.....	56.9	.....	45.2	.....	34.0	.....	55 9	.....
Point Pleasant	35.0	+0.9	39.6	+6.2	43.8	−1.4	54.6	−0.3	71.0	+6.3	76.4	+4.0	77.6	+1.2	76.8	+2.1	69.4	+3.5	57.6	+0.4	46.2	+0.9	32.2	−3.6	56 7	+1.7
Ravenelle	31.8	−0.6	35.8	+2.3	38.6	−0.7	48.6	+0.4	63.7	+5.6	68.9	+3.4	68.5	−1.0	68.9	+0.6	63.3	+0.4	51.6	+0.8	39.0	−1.3	26.6	−6.6	50.4	+0.2
Ravenswood (Dam 22)	33.0	−2.4	38.6	−0.2	40.4	−2.9	51.9	−1.9	67.9	+6.0	72.8	+2.3	74.0	−1.1	73.4	+0.5	65.9	−3.5	55.0	−1.3	41.0	−4.7	28.0	−9.9	53.5	−1.5
Richwood	33.4	−1.0	36.8	+2.3	38.6	−2.2	50.2	+0.3	62.6	+2.4	69.7	+1.3	73.7	+1.9	70.5	+0.1	61.8	-2.9	53.4	+0.7	40.2	−2.2	28.3	−6.8	51.6	−0.5
Ripley	34.4	.....	37.4	.....	41.2	.....	*52.0*	.....	*68.0*	.....	*73.0*	.....	75.8	.....	74.9	.....	67.0	.....	55.8	.....	44.3	.....	30.4	.....	54.5	.....
Ryan	34.3	+1.3	40.0	+5.7	42.2	−0.6	52.8	+0.8	68.7	+7.7	72.9	+4.1	73.3	+.02	*73.5*	+1.8	*64.2*	−0.4	54.0	+1.3	43.1	−0.3	30 0	−4.5	54.1	+1.4
Seneca State Forest	28.5	.....	33.4	.....	35.5	.....	46.2	.....	61.2	.....	66.0	.....	67.2	.....	65.2	.....	60.2	.....	47.8	.....	37.2	.....	24.4	.....	47.7	.....
Spencer	33.2	−0.5	38.3	+3.1	41.0	−1.9	52.4	−0.4	68.4	+6.4	73.8	+4.1	74.6	+1.0	74.1	+1.8	66.1	−0.4	54.2	−0.7	43 8	−0.3	30.0	−6.5	54.2	+0.5
Summersville	30.8	.....	34.6	.....	39.1	.....	48.3	.....	64.1	.....	67.2	.....	67.7	.....	68.2	.....	61.4	.....	50.8	.....	39.6	.....	26.7	.....	49.9	.....
Sutton	35.6	+1.3	41.4	+5.3	43.3	−0.9	52.5	−0.3	69.1	+5.8	74.6	+3.3	75.2	+0.4	75.2	+2.1	67.8	−0.9	56.7	0.0	45.7	+1.7	31.5	−3.7	55.7	+1.2
Union	32.2	−1.1	35.8	+0.6	38.9	−4.5	48.6	−3.2	64.8	+3.9	69.8	+2.0	70.2	−1 4	70.1	−0.1	63 6	−2.5	51.3	−3.1	39.2	−3.2	27.6	−6.4	51.0	−1.6
Webster Springs	35.8	.....	41.4	.....	44.0	.....	52.8	.....	67.4	.....	71.8	.....	73.8	.....	71.8	.....	65.2	.....	50.0	.....	44.2	.....	*28.8*	.....	53.9	.....
White Sulphur Springs	36.0	+3.9	39.4	+3.9	43.1	+0.5	52.4	+1.0	67.0	+6.5	73.9	+5.9	73.6	+2.0	73.6	+3.3	66.9	+2.0	54.8	+2.4	42.6	+0.5	31.1	−2.0	54.5	+2.5
Williamson	36.9	+0.9	41.4	+4.0	44.6	−2.1	54.6	−0.9	71.0	+6.0	76.0	+3.4	75.8	−0.3	75.5	+0.7	69.3	−0.4	55.4	−2.4	46.5	+0.9	35.6	−2.0	56.9	+0.7
Winfield Locks	34.0	.....	39.2	.....	41.4	.....	52.8	.....	70.1	.....	74.7	.....	75.7	...	74.9	.....	68.2	.....	56.4	.....	44.6	....	30.2	.....	55.2	.....

Reference letters indicate number of days missing, for example, [b] 2 days, etc. Italic figures indicate values interpolated.

MONTHLY STATE DATA FOR 1944

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Average	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January	33.2	+0.6	79	−13	2.11	−1.46	5.9	7	11	9	11	w.
February	37.3	+3.9	79	−13	3.77	+0.66	3.8	12	8	8	13	w.
March	40.2	−2.1	87	−14	5.21	+1.29	4.4	15	10	7	14	w.
April	50.7	−1.0	90	11	4.43	+0.89	2.4	15	8	10	12	w.
May	67.2	+5.3	95	25	4.35	+0.38	T.	11	14	12	5	w.
June	71.9	+2.0	103	28	4.19	−0.27	0.0	11	13	11	6	w.
July	72.6	−0.6	102	34	2.65	−1.97	0.0	8	16	10	5	w.
August	72.2	+0.4	105	32	2.96	−1.15	0.0	10	14	10	7	w.
September	65.0	−1.3	96	26	4.19	+1.29	0.0	11	11	9	10	w.
October	53.7	−1.0	88	15	4.07	+1.19	T.	10	14	9	8	w.
November	42.5	−0.7	79	5	2.22	−0.51	2.4	12	7	6	17	w.
December	29.4	−5.2	65	−15	4.63	+1.33	23.2	13	6	6	19	w.
Annual	53.0	0.0	105	−15	44.78	+1.74	42.1	135	132	107	127	w.

KILLING FROSTS- 1944§

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Athens	Apr. 29	Oct. 16	Mannington	Apr. 30	Oct. 16
Bartow	May 8*	Sept. 9*	Martinsburg	Apr. 30*	Oct. 16*
Bayard	Apr. 30*	Oct. 12*	McNeill	Apr. 30*	Oct. 16*
Beckley	.....	Oct. 23	Middlebourne	May 8	Oct. 16
Benson	May 8*	Oct. 16	Morgantown	Apr. 29*	Oct. 16*
Bens Run	Apr. 29*	Oct. 16*	New Cumberland	Apr. 30*	Sept. 24*
Bluefield	Apr. 18	Oct. 22*	New Martinsville	Apr. 30*	Oct. 16*
Bluestone Dam	Apr. 29	Oct. 16	Oak Hill	Apr. 29	Oct. 16
Brandonville	Apr. 29*	Sept. 9*	Parkersburg	Apr. 13	Oct. 16
Brandywine	Apr. 30	Sept. 9*	Parsons	Apr. 30	Oct. 16
Brownsville	May 8*	Oct. 16*	Petersburg	Apr. 29*	Oct. 16*
Buckhannon	Apr. 30*	Oct. 16	Pickens	June 8*	Sept. 8*
Cairo	May 8*	Oct. 16*	Piedmont	Apr. 29*	Oct. 16*
Charleston (Airport)	Apr. 29*	Oct. 16*	Pineville	Apr. 30*	Oct. 28
Clarksburg	May 8*	Oct. 16*	Point Pleasant	Apr. 29	Oct. 23
Cranberry Glades	June 8	Sept. 9	Rainelle	May 8*	Oct. 16
Creston	Apr. 29	Oct. 16	Ravenswood	Apr. 13*	Oct. 16*
Elkins	Apr. 29	Oct. 16	Richwood	May 8*	Sept. 9*
Fairmont	Apr. 29*	Oct. 22	Ripley	.....	Oct. 16
Flat Top	May 8*	Oct. 11*	Romney	Apr. 30	Oct. 16
Gary	Apr. 29*	Oct. 29*	Rowlesburg	Apr. 28	Oct. 16
Glenville	Apr. 30	Oct. 16	Ryan	Apr. 30	Oct. 16
Grafton	Apr. 30	Oct. 16	Seneca State Forest	May 8	Sept. 8
Great Cacapon	Apr. 29	Oct. 16	Shady Springs	May 8	Sept. 9
Greenbottom	Apr. 29*	Oct. 16*	Spencer	Apr. 29*	Oct. 16
Hamlin	Apr. 29	Oct. 16	Summersville	May 8*	Oct. 16*
Harrison Co. Airport	Apr. 29*	Oct. 16*	Sutton	Apr. 30*	Oct. 16*
Hinton	Apr. 29	Oct. 29	Union	May 8	Oct. 11
Huntington	Apr. 29	Oct. 16	Valley Chapel	Apr. 29	Oct. 16
Inwood	Apr. 29*	Oct. 16	Wardensville	Apr. 30*	Oct. 16*
Kearneysville	Apr. 28*	Oct. 16*	Webster Springs	Apr. 30*	Oct 16
Kumbrabow State F'st.	May 8	Oct. 16	Wellsburg	Apr. 30*	Oct. 16
Lewisburg	May 8*	Oct. 11*	Weston	Apr. 29*	Oct. 16*
Logan	Apr 29	Oct. 30*	Wheeling(Dam 12)	Apr. 29*	Oct. 16*
London Locks	Apr. 6*	Oct. 28*	White Sulphur Spgs.	May 8*	Oct. 11*
Lost River State Park	May 8*	Oct. 10*	Williamson	Apr. 6*	Oct. 28*
Madison	Apr. 29*	Oct. 16*	Winfield Locks	Apr. 29*	Oct. 28

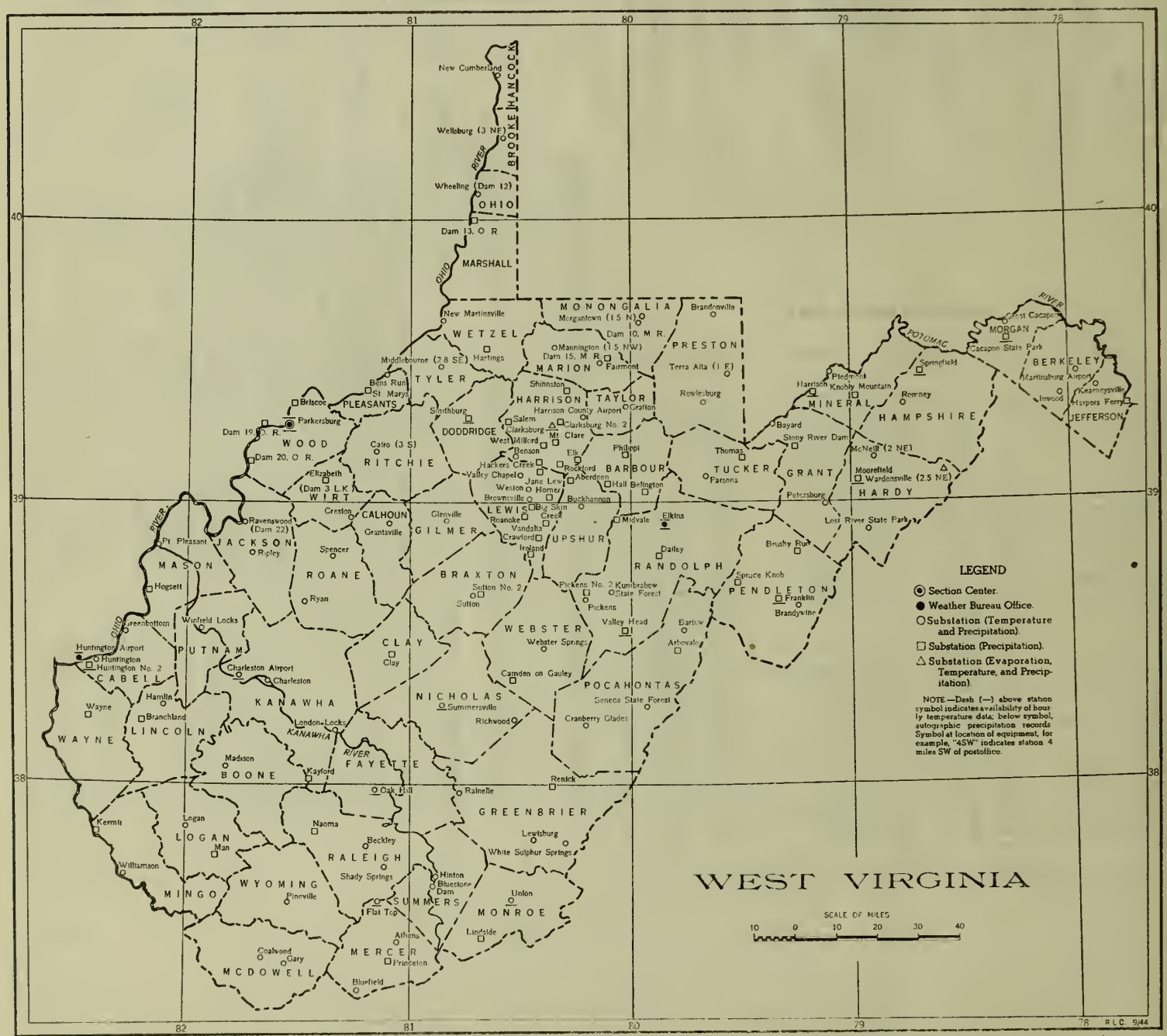
§ Where frost was not recorded (*) indicates last or first temperature of 32° or lower..

MONTHLY EVAPORATION FOR 1944

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg	Evaporation, inches	3.160	5.087	6.027	6.467	5.658	2.638	1.809
	Wind movement, miles	2,430	913	1,177	1,021	947	751	947
Wardensville	Evaporation, inches	.....	6.350	5.892	7.545	6.779	3.669	2.904
	Wind movement, miles	.....	1,201	987	852	852	683	920

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	−9	33.90	50.60	42.37	45.96	.....	.....	.....	.....	.....
1892	52.3	99	−12	32.70	41.43	37.06	38.33	.....	.....	.....	.....	.....
1893	52.0	99	−25	36.26	39.68	41.40	39.82	.....	116	.....	.....	.....
1894	53.5	103	−29	34.78	36.51	30.88	34.52	.....	102	155	114	96
1895	51.5	107	−21	32.18	31.53	34.38	32.82	.....	100	150	111	104
1896	53.6	97	−10	35.43	46.66	41.84	43.49	.....	111	132	128	106
1897	53.5	103	−18	35.02	46.15	40.47	41.59	.....	116	141	113	111
1898	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	141	102	119
1906	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	−27	33.21	44.16	38.87	40 57	31.1	124	147	85	133
1926	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	**112**	−31	42.24	44.35	39.20	42.22	51 0	120	158	89	119
1937	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
1941	53.4	105	−11	29.51	39.45	33.72	35.97	27.8	115	145	106	114
1942	53.0	103	−23	43.95	50.84	47.24	48.42	41.9	136	120	114	131
1943	52.5	105	−17	30.89	44.05	38.99	40.08	34.9	126	136	110	119
1944	53.0	105	−15	37.64	50.03	41.02	44.78	42.1	135	132	107	127
Period	53.0	112	−37	37.07	45.28	42.69	43.04	34.3	123	145	95	125



(W. B. O., Philadelphia, Pa. —3-13-1945—1200.)

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UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIII JANUARY 1945 No. 1

GENERAL SUMMARY

This has been the seventh coldest January of record and the coldest one since the record-breaking January of 1940. The highest temperature for any station was 60°, which was the lowest monthly maximum for any January except the one in 1918 which showed a maximum of only 55°. The average temperature was below normal at every station but one, White Sulpher Springs. The cold periods were 2-3d, 10-12th, 18-21st, 25-27th, and the 30-31st. The average temperature for the two months ending January 31, 1945, was 28.9°, or 6.7° higher than the same period of the cold winter of 1917-18 and 1.8° higher than that of 1935-36. Zero or lower temperatures occurred at 9 stations on the 2d, 10 on the 3d, 5 on the 10th, 2 on the 11th, 5 on the 18th, 1 on the 21st, 1 on the 24th, 3 on the 25th, 3 on the 26th, 16 on the 27th, 9 on the 30th and 8 on the 31st. There were no really warm periods.

Precipitation averaged somewhat below normal. However, in the southwestern part of the State, and at numerous stations in the northern and northeastern divisions, the average was well above normal. About one-third of the precipitation fell as snow, which averaged above normal. All but a few stations had at least some snow-cover at the end of the month. Eight stations had 31 snow-lying days during the month. Flood stages were reached at Clarksburg and Weston on the West Fork River on the 1st, but no damage was reported.

With the exception of parts of the northeastern panhandle division, there were both adequate precipitation and snow-cover for the winter grains. The uniformly low temperatures held vegetation fully dormant throughout the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 73 stations, was 28.4°, or 4.2° below the normal. The mean for the northeastern panhandle division was 26.6°; for the northern division, 26.7°; and for the southern division, 30.1°. The highest monthly mean was 35.4° at Alderson, and the lowest, 20.2° at Pickens. The highest temperature was 60° at Alderson on the 7th and Brownsville on the 1st, and the lowest, −14° at Brandonville on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was 3.28 inches, or 0.29 inch below normal. In the northeastern panhandle division the average was 2.20 inches; in the northern division, 3.70 inches; and in the southern division, 3.20 inches. The greatest monthly precipitation was 6.34 inches at Midvale, and the least, 1.14 inches at Wardensville. The greatest amount in any 24 consecutive hours was 2.45 inches at Charleston on the 1st. The average monthly snowfall was 12.3 inches, or 4.2 inches above the normal. The greatest monthly snowfall was 35.3 inches at Pickens. The average number of days with 0.01 inch or more of precipitation was 15.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3			1		1	9	16	3		3	1	9	3	4	4	4		3	5	14	4					1	4		1	
Frosts, killing																															
Gales	15	8	5	2	1	1			1			2	1		3	2	3														
Hail																						2	12	17	5	3		1	7	10	12
Halos, lunar																															
Halos, solar																															
Sleet			1	1				3	1			1		4		3	2		7	1		5	1				1				
Thunderstorms																												1	1		

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.56	17	29.70	1	7.5	23	sw.	22	84	71	76	33	1204
Columbus, Ohio	30.52	17	29.68	23	9.8	32	nw.	1	87	76	79	30	1283
Elkins	30.50	17	29.44	1	7.4	33	w.	1	92	79	88	24	1232
Huntington Airp't.	30.56	2	29.71	15	.....	19	w.	23	86	76	79	....	1128
Parkersburg	30.56	11	29.55	1	6.9	26	nw.	24	82	75	78	24	1171
Pittsburgh, Pa	30.49	11	29.50	1	9.8	36	nw.	24	89	76	82	30	1340

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	31.7	.....	.....	3.24	4.23	3.24	3.64	.....	.....	.....	.....	.....
1892	29.4	76	−3	2.95	3.57	2.66	3.15	.....	11	.....	.....	.....
1893	22.6	71	−25	2.26	2.87	2.02	2.49	.....	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	.....	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	.....	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	8	14
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	**−34**	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	**83**	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	**43.4**	82	7	3.18	5.18	4.79	4.82	0.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	**8.50**	0.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	19
1940	**20.5**	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	−6	2.15	3.03	2.59	2.73	5.1	12	5	7	19
1942	30.7	67	−23	1.64	2.09	2.10	2.02	5.6	8	10	8	13
1943	35.6	80	−9	3.28	3.78	3.03	3.43	13.4	14	6	9	16
1944	33.2	79	−13	2.12	1.96	2.28	2.11	5.9	7	11	9	11
1945	28.4	60	−14	2.20	3.70	3.20	3.28	12.3	15	5	7	19
Period	32.6	83	−34	3.06	3.84	3.54	3.57	8.1	12	9	7	15

Climatological Data for January 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	23.6	−5.2	48	12†	− 6	27	3.85	−0.65	0.60	13	31.5	17	6	7	18	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	27.4	−3.5	52	1	− 5	18	2.33	−0.01	0.70	15	10.0	8	13	1	17	n.	E. L. Keister
Great Cacapon	Morgan	500	1	26.0	.....	49	13	1	27	2.34	.....	0.86	1	18.0	7	8	11	12	n.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	2.83	+0.12	0.68	16	12.7	11	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	25.6	.....	45	23	− 1	18	1.96	.....	1.00	1	10.5	8	11	7	13	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	27.7	−6.2	50	4	5	25	2.96	+0.18	0.98	1	6.5	8	7	10	14	nw.	University Exper. Station
Martinsburg	Berkeley	435	53	25.1	−5.9	47	5	1	18	2.61	+0.10	0.80	1	16.7	12	2	6	23	nw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	11	28.1	−2.9	50	12†	− 4	30	1.75	−0.63	0.43	1	13.0	8	4	10	17	w.	R. E. Saville
Petersburg	Grant	1,029	6	29.4	.....	58	12	8	18	1.67	.....	0.59	1	8.2	8	3	7	21	w.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	26.4	−4.5	47	21	6	3	1.68	−0.90	.....	.....	14.0	14	7	8	16	nw.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	3.85	+1.04	0.65	1	31.0	16	1	5	25	.....	Fred Becker
Wardensville, 2½ ml. NE.	Hardy	1,200	27	26.4	−4.4	50	12†	− 1	18	1.14	−0.99	0.56	1	.....	12	....	..	....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	3.97	+0.57	1.28	1	8.3	22	1	9	21	w	L. Esle Bond
Benson	Harrison	1,080	20	28.3	−5.8	54	1	− 2	3	4.65	+1.04	1.55	1	24.0	20	6	8	17	.....	R. D. Marts
Bens Run	Pleasants	652	44	27.5	−5.4	42	7	2	2	3.99	+0.01	1.35	1	.....	18	9	6	16	.....	Mrs. C. W. Rea
Braudonville	Preston	1,798	4	22.0	.....	45	7	−14	27	3.10	.....	0.81	1	19.5	13	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	31.2	−3.4	60	1	3	3†	3.83	+0.24	1.53	1	.....	17	4	8	19	sw.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	29.1	−3.4	58	1	3	27	4.35	−0.05	1.12	1	20.8	24	3	4	24	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	28.4	−6.0	46	1	2	3	3.81	−0.14	1.23	1	10.3	20	2	8	21	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	25.3	.....	47	7	− 3	31	2.59	.....	0.56	29	26.1	15	4	11	16	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	25.8	−6.8	41	1†	2	3†	3.88	+0.57	1.12	1	17.6	16	5	4	22	w.	Clarksburg Water Board
Creston	Wirt	640	44	29.6	−4.5	48	7	1	30	3.76	−0.17	1.32	1	11.2	16	4	6	21	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	26.0	.	42	11†	3	27	3.26	+0.07	0.74	1	9.0	18	9	3	19	sw	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	3.23	+0.10	1.02	1	11.0	17	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	3.42	+0.20	0.77	1	10.2	18	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.19	−0.22	1.55	1	8.6	14	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.91	+0.29	1.90	1	7.6	14	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	3.59	−0.18	.....	.....	.....	11	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	25.3	−4.7	55	1	− 4	27	2.49	−1.29	0.50	2	12.5	22	1	6	24	w.	U. S. Weather Bureau
Fairmont	Marion	883	53	26.2	−6.0	45	21	1	27†	2.96	−0.97	0.85	1	15.1	19	4	5	22	w.	J. C. Robinson
Glenville	Gilmer	738	57	30.5	−3.3	55	1	5	3†	4.60	+0.17	1.36	1	9.3	18	0	12	19	w.	Howard R. Brannou
Grafton	Taylor	1,050	51	26.8	−5.8	59	1	− 6	27	3.41	−0.16	.....	.....	10.2	18	6	5	20	.....	L. W. Clayton
Grantsville	Calhoun	760	1	31.4	.....	50	1†	5	2†	.....	.....	.....	.....	5.0	.....	.....	.....	.....	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	24.4	.....	50	1	1	26	2.89	.....	1.21	1	13.9	18	2	9	20	sw.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	3.98	.....	1.28	1	13.1	18	4	10	17	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	3.98	+0.72	0.73	1	.....	20	.....	.....	.....	.....	Mrs. Ova Lester
Mannington, 1½ mi. NW.	Marion	974	43	26.0	−5.9	46	12	− 7	27†	4.06	−0.06	1.13	1	15.5	22	5	5	21	.....	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	4	25.6	.....	44	12	− 2	30	3.15	.....	1.05	1	15.4	14	4	4	23	w.	L. A. Crumrine
Morgantown, 2 miles N.	Monongalia	1,300	69	26.4	−5.9	55	1	0	27	3.42	−0.04	0.90	1	18.0	21	6	9	16	sw.	State Dairy Farm
New Cumberland	Hancock	671	50	22.0	−6.6	46	12	− 4	2	2.11	−0.73	0.87	1	14.7	16	12	10	9	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	27.0	−6.1	45	12	2	2†	3.69	−0.29	1.47	1	13.0	14	9	8	14	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	27.2	−5.3	45	12	5	2	2.41	−1.17	0.37	7	10.0	16	2	10	19	nw.	Section Center
Parsons	Tucker	1,649	46	26.5	−8.0	48	12	− 4	27	3.57	−1.04	0.80	1	24.2	23	1	8	22	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	4.05	−0.09	1.04	1	18.4	22	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	20.2	−10.7	40	7†	− 6	2	5.40	−0.92	0.68	1	35.3	20	0	7	24	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	3.63	+0.03	1.33	1	9.7	17	3	7	21	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	27.4	.....	46	6	− 3	27	4.15	−0.76	1.30	1	25.0	14	6	1	24	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	3.43	−0.31	1.62	1	.....	13	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	4.35	+0.37	0.85	1	28.5	22	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	29.4	−5.7	58	1	0	3	4.07	+0.53	1.48	1	10.4	17	3	6	22	nw.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	24.6	−5.6	44	12	− 3	27	2.17	−0.88	1.30	1	9.5	8	8	5	18	.....	George P. Plister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	3.96	+0.89	1.10	1	11.3	20	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	30.4	−3.7	48	1†	7	31	5.06	+0.95	1.12	1	16.2	21	0	18	13	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	26.0	−4.4	44	12	4	2	2.41	−0.63	0.87	1	13.0	16	5	5	21	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	... ..	.....	60	7	11	1	1.99	.....	0.55	15	1.2	7	.....	.....	.....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	1.88	−0.93	0.50	1	9.5	10	4	11	16	w.	H. S. Sutton
Athens	Mercer	2,600	5	31.0	.....	56	1	5	2†	1.63	.....	0.50	1	1.7	9	5	13	13	nw.	Concord College
Bluefield	Mercer	2,558	50	33.4	−1.5	56	1	8	2†	2.76	−0.25	.....	.....	8.1	13	11	4	16	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	30.6	−7.3	49	6†	9	2†	4.56	+0.53	2.45	1	5.0	15	5	3	23	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	30.0	.....	49	7	3	31	2.69	.....	0.74	1	4.6	16	2	11	18	.....	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	24.7	.....	48	1†	− 4	27	4.21	.....	0.76	1	27.5	18	8	5	18	w.	Department of Justice
Flat Top	Mercer	3,235	7	26.1	.....	46	21	1	31	2.67	.....	0.67	1	14.2	16	4	9	18	nw.	U. S. Airway Station
Gary	McDowell	1,426	28	33.0	−2.1	58	6	10	2†	2.40	−1.05	0.73	1	1.7	15	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	29.5	.....	48	1	5	2	4.34	.....	1.45	15	5.3	12	1	10	20	w.	State Forest Nursery
Hamlin	Lincoln	641	2	29.6	.....	50	22	2	11	3.64	.....	2.00	1	3.3	10	10	5	16	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	31.9	−2.6	55	21†	9	31	2.10	−1.16	0.49	1	0.5	12	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	31.5	−2.5	49	1	6	2	3.84	+0.05	1.48	1	9.7	14	5	3	23	nw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	2.57	−1.65	.....	.....	.....	13	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	...	...	...	...	...	...	...	...	...	.....	James B. Stuart
Logan	Logan	700	32	33.7	−5.3	54	7	12	31	3.71	−0.71	1.56	1	2.5	13	6	3	22	.....	Paul A. Simouds
London Locks	Kanawha	623	10	33.5	.....	52	12	9	30	3.79	.....	1.55	1	2.7	15	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	24	.....	.....	51	6	.....	.....	4.38	+0.28	1.98	1	2.5	14	1	10	20	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	28.9	.....	50	6	4	31	2.92	.....	0.80	1	7.7	17	0	3	28	.....	M. H. Martin
Pineville	Wyoming	1,350	3	34.8	.....	56	28	5	3	2.68	.....	0.80	1	.....	13	8	2	21	.....	Charles Dameron
Point Pleasant	Mason	595	55	30.4	−3.7	45	1	7	2	4.79	+0.84	1.56	1	7.7	15	8	4	19	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	14	27.4	−5.0	51	1	2	30†	3.77	−0.44	0.86	1	27.0	20	6	5	20	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	28.5	−6.9	48	19	2	30	3.58	−0.02	1.67	1	4.5	10	4	5	22	nw.	Lockmaster
Richwood	Nicholas	2,193	14	27.8	−6.6	56	6	0	31	3.83	−0.22	0.70	1	.....	11	6	3	22	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	29.5	.....	50	3	3	30	2.04	.....	0.32	19	8.5	9	2	5	24	nw.	Pfost Greenhouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	24.8	.....	48	21	− 6	30†	2.34	.....	0.54	1	18.0	10	13	3	15	w.	Supt., State Forest
Spencer	Roane	789	46	28.7	−5.0	47	12	3	2†	3.88	−0.13	1.24	1	10.5	16	0	11	20	.....	A. M. McKown
Summersville	Nicholas	1,900	9	26.2	.....	52	6	− 2	3†	4.27	.....	1.25	1	.....	15	1	2	28	.....	A. E. Dorscy
Sutton	Braxton	850	42	31.4	−2.9	50	1†	5	3	4.88	+0.34	1.52	1	16.0	16	7	18	6	.....	C. B. Eakle
Union	Monroe	2,200	41	29.6	−3.7	51	6†	8	2†	2.20	−0.95	0.65	1	.....	11	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	13	31.8	.....	55	1	4	3	2.65	.....	0.79	8	.....	12	9	2	20	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	32.4	+0 3	59	1	6	31	2.53	−0.80	0.70	1	4.3	12	0	9	22	w.	Ashford General Hospital
Williamson	Mingo	673	44	34.6	−1.4	51	26	13	2†	3.32	−0.63	1.38	1	2.0	15	8	2	21	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	30.2	.....	49	20	8	3	3.80	.....	1.47	1	5.0	18	6	6	19	sw.	Lockmaster
State averages and extremes		.....	...	28.4	−4.2	60	1	−14	27	3.28	−0.29	2.45	1	12.3	15	5	7	19	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for January 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.50	.25	.10	T.			.40		T.	T.	.15	.80	.30	T.	.05	.20	.05			T.		.20	.20	.20	T.	.30		T.	.30	.20	.15	3.85
Brandywine	do.	.52						.20	T.					.20		.24	.70			.10	.15		T.				T.			.22			2.33
Brushy Run[2]	do.	.20	.03					.12	T.			T.		.07	.03	T.	.47				.17			T.			T.			.19			1.28
Harpers Ferry[2]	do.	.24	.63					.42	.02	.01		T.		T.	.35		.68	.36			.05					T.	.05			.02			2.83
Inwood	do.	1.00	T.					.10						.35		T.	.20	.15			.05				.05					.06			1.96
Kearneysville	do.	.98						.40						.25	T.	.10	.95				T.		.07				.05		T.	.16			2.96
Knobly Mountain[2]†	do.	.42	T.					.30	.14			T.		.09	T.	T.	.20	T.			.02			T.	T.	.10	.10			.30			1.67
Martinsburg[4]	do.	.80						.34	.07					.02	.14	.02	.67	.16			.03		T.	.02	T.	T.	.09		T.	.25	T.		2.61
McNeill†	do.	.43						.15	.08					.10			.36			T.	.17						.08		T.	.38			1.75
Petersburg	do.	.59						.15	.06					T.	T.	.04	.37				.04			.16						.26	T	T.	1.67
Piedmont	do.	.32	T.		.02			.30	.10			T.	*	.08	T	*	.49				.04			.05	.02		.04		.10	.12			1.68
Romney	do.																																
Spruce Knob[2]†	do.	.32	.21					.18	T.	T.	.04		.06	.13		.17	.05				.27			.18	.21	T.	.08			.19	.04	.08	2.24
Stony River Dam[2]†	do.	.65	.20	.10		.10			.30			.20		.58			.15				.10		.07	.10		.20	.10			.40	.30	.30	3.85
Wardensville[3]	do.	.36	.20					.11	.02	T.	.02	T.		.08	.05	T.	.05	.02			.05						.02			.16			1.14
Northern Division																																	
Aberdeen†	West Fork	1.28	.02	T.	T.			.24	.23	.04	.02	T.	.09	.33	.02	.05	.41	.02		.02	.17		.17	.10	.02		.08		.14	.45	.02	.05	3.97
Belington[2]	Tygart	1.06	.47	T.	.03	T.		.22	.18	.04	.03	.02	T.	.35	.05	.01	.09	.04	T.		.23	.01		.35	.02	.04	.10		.03	.42	.01	.13	3.93
Benson†	West Fork	1.55		.04				.25	.32	.08	.05	.05	.05	.28		.06	.60				.15		.10	.12	.06		.08		.10	.35	.20	.16	4.65
Bens Run	Ohio	1.35						*	.45	.23	.03		.15	.03	.03	.38	.14			.05			.18	.04			.08		.21	.25	.37	.02	3 99
Big Skin Creek†	West Fork	1.71						.08	.21	.22			.17	.37		.05	.43	.02			.10			.28	.02	T.	.04		.11	.50	.09	.01	4.41
Brandonville[2]	Cheat	.81	.18	T.	T.	T.	T.	*	.57	T.		.12		.23			.15	T.			T.		T.	.36			*		*	*	.68	3 10
Brownsville†	West Fork	1.53	.01					.23	.19	.05	.01		.09	.38		.07	.40	.01			.13		.12	.08			.05		.12	.36			3.83
Buckhannon	Tygart	1.12	.05	.05	T.	.04		.26	T.	.33	.02	.01	.18	.36	.05	.06	.31	.02		.02	.16		.17	.17	.05		.09		.17	.49	.14	.03	4.35
Cairo	Litl.Kanawha	1.23	.10					.21	.40	.04	.05		.05	.25	.05	.23	.22			.02	.17		.10	.09			.03		.10	.40	.05	.02	3.81
Canaan	Cheat	.45						.20		.02	.01			.20		.02	.25			*	.15		.27	.12	.16		.12			.56	T.	.06	2.59
Clarksburg[2]	West Fork	1.12	.36					.20	.29	.05		.01	.05	.34			.50	.02			.15			.23			.06		.06	.36	T.	.08	3.88
Crawford	do.	1.12						.25	.17	.08	.03		.13	.36			.40				T.		.23	.07	T.		.03		.11	.34	.03	T.	3.35
Creston[2]	Litl.Kanawha	1.32	.29			T.		.05	.50	.05		.02		.35		.02	.30	.02			.22			.20			.01		.01	.39	T.	.01	3.76
Dailey[2]†	Tygart	.83	.32	T.	.04	T.	T.	.10	.14	.04	.02	.02	T.	.21	.08	T.	.15	T.	T.		.27			.25	.01	.02	.06		.38	.02	03	2.99
Dam 10, Mon. R.[2]†	Monongahela.	74	.48		T.		T.	.16	.41	.08	.02	T.		.17	.02	T.	.22	.04			.04			.16	T.	.06	.08		.04	.48	.03	.03	3.26
Dam 13, O. R.[2]†	Ohio	1.02	.27				.02	.06	.01	.07				.13		.01	.73	.03						.11	.01	.01	.15		.01	.55		.04	3.23
Dam 15, Mon. R.[2]†	Monongahela	.77	.45		T.			.19	.43	.05	.02	T.		.28	T.	.03	.32	.07			.06			.14	.02	T.	.11		.03	.38	.02	.05	3.42
Dam 19, O. R.[2]†	Ohio	1.55	.06	.01	T.	T.		.30	.20	T.	T.	.02		.05	T.	T.	.40	.02			.21		T.	.09	T.		.02		.02	.24	T.	T.	3.19
Dam 20, O. R.[2]†	do.	1.90	.17	T.	T.	T.	T.	.35	.23	.02	T.	.02		.08	T.	T.	.45	T.			.22		T.	.10	T.		.02		.05	.28	.02	T.	3.91
Elizabeth (Dam 3)[2]	Litl.Kanawha	*	1.20					.48	.40					.32		.10	.22				.32			.10			.10			.35	T.	T.	3.59
Elk†	West Fork	.98						*	*		*	.65		.33		*	.37				.23			.20			.30		*	.53	T.	T.	3.59
Elkins[1]†	Tygart	.48	.03	.02	T.	T.		.13	.12	.03	.03	.01	.19	.12	T.	T.	.16	T.		.19	.06		.23	.17	.04	.03	.03		.31	.07	.02	.02	2.49
Fairmont[2]	Monongahela.	.85	.03	.01	T.			.13	.42	.05	.02	.01		.43		.02	.32	T.			.01			.08	.04	.02	.22		.15	.04	.11	T.	2.96
Glenville[2]	Litl.Kanawha	1.36	.34	.16		T.		.25	.23	.08		.12		.26	.41	.18	.21	T.			.17			.12	T.		.15		.08	.28	.04	.16	4.60
Grafton	Tygart	*	1.05	.01					.49	.05		.06			.26		.01	.37			.12			.19	.08	.05	.11		.07	*	*	.49	3 41
Hackers Creek†	West Fork	.43			.01				.98		.02		.24				.37	.05			.21			.31	.02	.01	.11		.05	.67	.04	.07	4.43
Hall[2]	Tygart	1.01	.43	T.	T.	T.	T.	.28	.20	.06	.05	.04		.37	.08		.09			.06			.61						01	.02		2.47
Harrison Co. Airport[4]	West Fork	.82		T.	T.	T.	T.	.31	.15	.02	.01	T.	.26	.04	T.	.18	.28	T.		.08	.02		.14	T.	.02	.03	.01	T.	.45	.03	.04	T.	2.89
Hastings	Ohio	1.28		.03				.10	.20	.03	T		.08	.14		.20	.71					.03	.15	.14	.10		.05		.12	.42	.14	.06	3. 98
Horner	West Fork	.50			.10				.92				.25		.15	.24	.10																
Ireland	do.	1.10	.04	.30					.05	.09			.06	.24	.04	.08	.12	.02					.25	.12					.75	.10	.05	.05	3. 58
Jane Lew	do.	.73	.49	.12				T.	.12	.03	.05		.02	.30	.10	.05	.16	.34		.06		T	.44	.06			.03		.22	.08	.52	.06	3.98
Kumbrabow St. For.†	[2]Tygart	.48		.07				.23		.14	.06	.03	.12	.42		.09	.14	.02		.06	.10		.39	.48	.13		.06		.39	.52	.23	.12	4.28
Mannington	Monongahela.	1.13	.04	.05	T.		T.	.25	.41	.08	T.	.01	.19	.05	.02	.20	.53	.01			.07		.11	.13	.06		.12		.15	.32	.10	.03	4.06
Middlebourne[2]	Middle Is. Creek	1.05	.16	.03				.26	.22	.02	T.	T.		.17			.67	T.			T.		.09	.07	T.		.05		.06	.26		.04	3. 15
Midvale[2]†	Tygart	1.39	.50	.12	.04	T.		.23	.16	.29	.03	.15	T.	.65	.08	T.	.14	.16	.04		.14		.22	.50	.05	.16		.04	.46	.58	.21	6.34
Morgantown	Monongahela.	.90	.32	T.		T.	.02	.27	.40	.08	.02	T.	.05	.05	.05	.05	.05	T.			.05		.13	.01	.07	T.	.04		.09	.35	.12	.30	3.42
Mt. Clare	West Fork	1.10		.15	T.				.58	.02	.05		.13	.28	.05	.09	.50	.02		.03			.30	.07			.09		.08	.19	.14	.09	3.96
New Cumberland	Ohio	.87	.02	T.		T.	.05	.16		.02		T.	.02		.04	.13	.10	.20				.05		.13	T.	04			.15	.10	.03		2.11
New Martinsville	do.	1.47	.12			T.			.38	.04	T.		.20	.02	T.	.40	.34	T.					.12	.05	T.		.05		.18	.20	.12		3.69
Parkersburg[1]†	do.	.51		.02	T.	T.	.03	.37	.08	.07	.02	T.	.07		T.	.31	.03			.24			.12	T.	T.	.05	T.		.35	.06	.08	T.	2.41
Parsons	Cheat	.80	.04	.05	T.			.24	.16	.02	.01	.04	.11	.28	.02	.01	.21	.02		T.	.19		.21	.19	.08	T	.13		.06	.54	.05	.11	3.57
Philippi[2]	Tygart	1.04	.40	.02	.01	T.	T.	.22	.22	.04	.02	.01	T.	.32	.06	.01	.29	.07	T.		.20			.40	T.	.01	.12		.07	49	.01	.02	4.05
Pickens	do.	.68	.17	.01	T.	.09		.30	.41		.15	.05	.43	.41	.02		.18			.40			.51	.30	.20		.17			.60	.20	.12	5.40
Roanoke	West Fork	1.33	.02					.24		.12	T.		.18	.37		.07	.28	.01		.02	.13		.23	.13	T.		.05		.13	.28	.04	T.	3. 63
Rockford†	do.	1.03			.11	T.		.23		.09	.02		.22	.34		.10	.42			.01			.37	.05	.03		.10		.15	.51	.02	T.	3.80
Rowlesburg[2]	Cheat	1.30	.56	T.				.15	.20	T.	.03	T.		.27	T.	T.	.14	.07			T.			.41	T.	.10	.15		T.	.57	.15	.05	4.15
Saint Marys[2]	Ohio	1.62	.20					.27		.03	.02			.15							.44			.14			.04		06	.37	.02	.07	3.43
Salem	West Fork	1.14	.01	.01				.05	.57	.01			.23							.07	.09		.08	.12		.06			.18	.20	.12	.02	3.82
Shinnston	do.	1.10	T		T.			.22	T.	.01			.60			.30	.20	.04		.10	.02		.30	.10			.02		.12	05	.03	T.	3.21
Thomas[2]	Cheat	.85	.25	.07	.05			.15		.18	.05	.05	T.	.28	.20	.50	.10	.06			.05			.45	.05	.10	.15		.20	.35	.06	.15	4.35
Valley Chapel	West Fork	1.48	.03	.01	T.	T.		.25	.21	.12	T.	T.	.10	.35	T.	.10	.44	T.		T.	.17		.16	.12	T.		.07		.09	.32	.05	T.	4.07
Valley Head[2]	Tygart	.38	.50	T.	T.			.09	.05	T.	.05	.06	T.	.24	T.		.23	T.			.25	T.		.39	.04	.04	.04	T.		.47	T.	.14	2.97
Vandalia†	West Fork	1.00						.24	.20		.08		.28	.27		.06	.37				.15		.12		.08		.05		.14	.28	.07	.04	3.43
Wellsburg (near)	Ohio	1.30				T	T.		T.	T.		.15		T.	.25	T.							.08	T.			.03		.15	.18	.03		2.17
West Milford	West Fork	1.10		.15				.22	.30	.04	.05		.15	.28	.05	.15	.50	.02			.15		.12	.07			.09		.10	.19	.14	.09	3.96
Weston[2]	do.	1.12	.82	.02				.24	.19	.12	.08	.03	T.	.34	.14	.05	.38	.20			.18			.38	.06	T.	.09	T.	.08	.38	.06	.10	5.06
Wheeling (Dam 12)[2]	Ohio	.87	.24	T.	T.	T.	.03	.09	.06	.02				.03		.03	.45	.03						.12	.01		.08		T.	.30	.02	.03	2.41
Southern Division																																	
Alderson	Greenbrier							.53	T.		.05		.22	T.	T.	.55	.02				.21			T.					T.	.41	T.	T.	1.99
Arbovale	do.	.50		T.		T.		.20		T.	T.	.06	T.	.18		.18				.20			.16	.16			.04		T.	.20			1.88
Athens	New	.50	T.		T.			.16	T.	T.	.07		T.	.24		.16	.13				.08		.11	T.					T.	.18	T.	T.	1.63
Bluefield	New	*	*					*	1.45			.08		.25		.26	.10				.18		.15	.02						.25	.02		2.76
Camden-on-Gauley[2]	Gauley	.94	.19					.20	.16	.02	T.	.09		.48	.03		.19	.02			.36			.38					.01	.52	.05	.02	3.66
Charleston	Gr. Kanawha	2.45	.12					.15	.20	.30	.10	.03		.51	T.	.09	.10	.01		T.	.05		.02	.09					T.	.34		T.	4.56
Charleston (Airport)[4]	do.	.74	T.		T.		.17	.26	.02	.02	.06		.28	.23	T.	.25	.02	T.		.06			.15	T.					.37	.03	.02	.01	2.69
Clay[2]	Elk																																
Flat Top[4]	New	.67	.02				.17	.10	.03	.04	.07		.17	.24		.34				.11	.03		.24	.04					.38	.02	T.		2.67
Greenbottom†	Ohio	1.45	.05	T.				.26	.04	.04		.04		.52	.03	.03	.09			T.	.14		.01	.09					.02	.26			2.40
Hinton[2]	New	.49	.06					.42	.40	.07			.13	.13		.82				.20	.09		.08							.50			4.34
Hogsett[2]	Ohio	2.20	.15					.30	.02			.05		.22	.01	.05	.39				.13			.07						31	T.		2.10
Huntington	do.	1.48	T					.44	.46	.04		.02		.28	T.	T.	.50				.23		.05	.06					.08	.30	T.	.03	4.82
Kayford[2]	Gr. Kanawha	.32						.37	.35	.08	.05		.12	.37	T.	.42	.06			.09	.04		.08	T.					.20	.13	T.		3.84
Lewisburg	Greenbrier							*	*			.55		.35		*	.20			*	*		*	*	.55				*	.55		.05	2.57
Logan[2]	Guyandot	1.56	.25		T.			.23	.21	T.	T.	.04		.43	T.	.03	.28	.01	T.	T.	.15		.03	.13	T.					.36	T.	T.	3.71
London Locks[2]†	Gr. Kanawha	1.55	.24					.17	.25	.05		.04		.28	.11	T.	.24	.02			.17		.01	.26	T.					.38	T.	.02	3.79
Madison[2]	Coal	1.98	.32					.21	.20	.06				.57	.01		.30	T.		.01	.16		.07	.16	T.				.01	.32		T.	4.38
Oak Hill[2]	New	.80	T		.10			.25	.15	.02	.05	T.	.15	.05		.25	T.	.05		.17			.30	.10					.35	.10	.01	.02	2.92
Pineville[2]	Guyandot	.80						.31	.17			.10		.40		.06	.08			.07	.20		.05	.10	.02					32			2.68
Point Pleasant[2]	Ohio	1.56	.23	T.		.02		.69	.10	.01		.05		.18	T.	.07	.50						.05	.05	T.				T.	.38	.05		4.79
Princeton[3]	New																				.85		.12	.01						27	T.		§
Rainelle	Greenbrier	.86	.09	T.				.38	.10	.08	.08	.01	.07	.27	T.	.35	.20	.02		.07	.09		.20	.25	T.				.02	.50	.03	.10	3.77
Ravenswood[2]	Ohio	1.67	.08	T		T.	T.	.31	.40	.06		T.		.19		T.		T.			.27		T.	.14			T.		.08	.35			3.58
Richwood[2]	Gauley	.70	.16			.12		.26				.20		.48				.16			.67			.56						.43		.09	3.83

Continued on next page.

Daily Precipitation for January 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	.21						.21	.32	T.	.08		T.	.25		.31	T.			.32			.21	T.					T.	.13	T.	T.	2.04
Ryan	Gr. Kanawha																													.43			2.34
Seneca State Forest†	Greenbrier	.54	.15					.15		.06	.04			T.		.27					.43		.12	.15					.15	.23		.06	3.88
Spencer[2]	Ltl.Kanawha	1.24	.16					.49	.29	.05		.03	.06	.48	T.		.20	.05			.25		.10	T.			.04		.15	.23		.10	4.27
Summersville[2]	Gauley	1.25	.40	.10				.10	.20	.05		.07		.64		.05	.10				.36			.35		.05			T.	.45	T.	.10	4.88
Sutton	Elk	1.52	.08		T.			.26	.82	.06	.15		.15	.50	T.	.10	.20	T.		.06	.12		.20	.12	T.		.06		T.	.48			4.88
Union[2]	New	.65	.25					.20	.05			.05		.15	.15		.20				.10			.20						.20			2.20
Wayne[2]	Twelvepole	2.11						.72	.87	.07		.05			T.						.01		.01							.52			4.36
Webster Springs	Elk	.25						.10	.79	T.	T.	T.	.11	.15		.15	T.			.18	T.		.22	T.	.10				T.	.33	.15	.12	2.65
White Sulp'r Spgs.	Greenbrier	.70	.02					.30	T.		.05			.33	T.	.24	.27			.04	.15		.11	.03	T.				T.	.29	T.		2.53
Williamson[2]	Big Sandy	1.38	.01					.25	.20	.03	.08		.02	.53		.21	.07			.01	.12		.12						.03	.26		T.	3.32
Winfield Locks[2]†	Gr. Kanawha	1.47	.20			T.		.22	.29	.04	T.	.06		.46	T.	T.	.37	T.			.14		.04	.07	T.				.05	.39	T.	T.	3.80

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for January 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	37	25	30	33	28	33	37	36	35	19	20	48	48	34	32	31	25	36	40	35	42	41	36	26	24	22	33	40	39	27	25	32.8
	Minimum	25	0	− 3	25	13	8	19	32	18	3	10	4	32	26	21	23	18	8	17	24	14	25	20	21	0	5	− 6	24	18	1	5	14.5
Beckley	Maximum																																
	Minimum																																
Bluefield	Maximum	56	29	39	38	39	49	51	42	36	25	33	47	46	41	40	37	26	45	48	48	48	47	44	36	41	40	44	45	48	31	28	40.9
	Minimum	28	8	16	34	23	32	38	35	25	17	18	28	40	32	33	22	21	20	32	34	28	32	25	30	23	28	22	36	20	17	8	26.0
Brandywine	Maximum	52	27	42	48	40	42	37	38	36	24	32	49	45	38	34	37	38	40	43	42	47	48	42	37	38	34	47	45	42	35	26	39.5
	Minimum	24	5	7	22	14	12	19	21	21	8	7	13	30	26	24	22	11	− 5	22	19	10	18	24	25	9	10	3	23	21	7	3	15.3
Buckhannon	Maximum	58	23	35	38	34	48	45	45	43	23	27	45	42	40	46	43	29	34	39	39	44	42	39	33	29	25	35	40	38	29	27	37.3
	Minimum	23	6	4	31	21	20	35	35	23	7	12	12	31	30	32	25	23	17	25	32	22	32	26	28	9	10	3	30	26	9	8	20.9
Cairo	Maximum	46	27	35	38	38	36	39	40	39	25	30	45	45	37	39	40	29	36	37	35	37	44	39	35	38	29	35	39	37	29	30	36.4
	Minimum	26	4	2	30	20	20	32	34	23	6	10	16	32	30	32	26	24	18	23	18	18	30	27	29	12	18	6	30	21	3	9	20.3
Charleston (Airport)	Maximum	46	21	42	41	41	46	49	41	36	24	37	48	41	40	47	34	31	38	41	38	45	45	40	43	34	37	43	40	30	31	19	38.4
	Minimum	13	8	16	24	20	21	36	34	12	9	7	21	32	32	33	26	24	19	30	25	26	29	29	28	20	19	15	29	12	13	3	21.5
Clarksburg[3]	Maximum	*41*	*41*	35	37	30	38	40	40	*34*	*30*	38	40	35	36	40	32	*31*	31	35	32	36	40	30	30	*26*	22	33	34	25	25	15	33.3
	Minimum	41	6	2	*20*	19	20	22	34	30	7	7	11	34	30	30	31	24	11	12	23	20	18	29	26	10	10	3	2	24	4	5	18.2
Cranberry Glades	Maximum	48	16	37	33	35	45	46	36	47	17	33	44	39	34	31	30	23	41	38	34	48	40	33	26	30	28	40	35	35	30	20	34.6
	Minimum	16	0	1	26	13	8	29	31	17	4	10	5	31	26	25	17	15	1	14	30	12	23	12	20	10	20	− 4	27	13	3	− 2	14.8
Elkins	Maximum	55	15	37	37	32	48	39	38	32	19	28	48	41	38	42	35	25	37	36	34	46	43	31	31	25	24	37	40	33	29	11	34.4
	Minimum	10	1	3	20	17	12	33	32	14	6	12	12	29	29	30	20	14	11	22	23	21	29	23	22	5	3	− 4	28	15	5	4	16.2
Fairmont[3]	Maximum	35	*33*	42	38	30	39	41	37	*35*	21	41	43	34	38	41	33	27	38	39	37	45	38	32	33	28	30	37	37	27	30	19	34.8
	Minimum	33	3	3	21	19	20	21	35	*21*	6	8	14	29	30	30	24	20	15	17	25	22	22	27	27	7	7	1	1	24	7	5	17.5
Flat Top	Maximum	34	18	33	34	35	44	42	37	30	19	33	42	40	35	32	26	22	43	39	36	46	44	30	30	34	32	42	38	25	27	9	33.3
	Minimum	8	2	15	20	17	24	30	30	12	11	13	24	29	28	26	17	13	14	29	28	25	26	20	21	17	20	20	25	12	9	1	18.9
Gary[3]	Maximum	35	26	42	43	45	58	48	43	35	25	40	48	44	47	46	29	30	47	57	45	50	50	40	40	44	43	51	49	32	36	16	41.4
	Minimum	33	10	10	25	25	21	23	40	34	20	18	21	23	32	33	28	26	23	23	34	29	34	31	28	23	23	18	18	26	16	12	24.5
Glenville	Maximum	55	25	38	40	37	29	45	44	44	25	35	48	39	38	45	44	29	36	36	38	49	48	40	38	38	34	38	39	38	30	29	39.2
	Minimum	24	7	5	30	22	20	34	36	23	8	14	*18*	31	30	31	26	25	16	24	32	22	30	28	31	13	20	10	30	22	5	8	21.8
Grafton	Maximum	59	33	27	39	37	50	49	40	37	21	26	47	42	38	43	42	29	37	41	42	44	45	41	33	31	26	35	37	38	30	27	37.6
	Minimum	26	0	0	22	15	17	31	30	19	3	10	13	26	26	29	23	20	12	17	26	18	25	23	23	1	5	− 6	25	19	− 1	2	16.1
Hamlin	Maximum	*36*	31	42	40	44	44	48	40	*36*	*29*	44	*44*	*40*	40	46	*32*	29	38	40	37	47	50	40	42	35	38	45	40	*34*	34	18	38.8
	Minimum	*32*	6	7	31	21	18	20	36	29	10	2	4	32	*33*	32	27	26	18	21	28	19	23	30	29	19	20	8	15	*20*	10	11	20.5
Huntington	Maximum	49	22	41	40	44	39	44	42	39	25	37	47	47	40	45	43	30	38	36	40	44	43	40	40	38	38	43	39	33	32	28	38.9
	Minimum	18	6	15	32	24	22	35	35	23	12	10	22	34	31	36	26	26	21	29	30	24	32	30	32	20	22	18	33	22	18	12	24.2
Lewisburg	Maximum																																
	Minimum																																
Logan[3]	Maximum	*41*	*35*	43	41	47	52	54	40	*40*	*34*	34	49	45	50	46	*32*	33	41	46	46	49	47	41	42	40	44	50	48	34	33	18	41.8
	Minimum	35	13	13	28	26	24	24	40	34	18	15	16	30	32	32	29	28	25	25	34	30	31	33	31	25	25	20	20	25	20	12	25.6
Madison[3]	Maximum	34	36	42	41	49	51	49	49	30	25	47	43	41	48	49	30	30	41	42	40	48	48	40	41	46	40	46	49	31	35	16	40.5
	Minimum																							30	29	22	22	17	22	23	16	12	
Mannington	Maximum	45	24	35	39	35	39	39	37	36	23	28	46	42	37	41	40	27	35	39	36	41	38	36	33	29	26	34	37	35	29	25	35.0
	Minimum	24	2	− 3	28	17	18	31	33	22	2	9	13	29	29	31	26	23	9	18	30	15	28	26	26	1	5	− 7	23	21	− 7	2	16.9
Martinsburg	Maximum	40	40	30	40	47	36	26	27	35	32	22	28	40	39	32	30	35	33	37	33	33	34	40	34	33	20	27	31	37	33	37	33.6
	Minimum	13	14	14	19	25	24	19	19	28	12	10	6	22	29	28	28	26	1	3	14	7	9	27	30	7	7	11	14	25	14	9	16.6
Morgantown	Maximum	55	21	34	37	35	37	37	38	37	22	25	44	40	39	37	38	26	35	38	38	40	38	35	31	31	24	32	36	35	26	26	34.4
	Minimum	18	2	6	30	17	17	29	31	19	4	13	19	28	27	32	24	21	11	21	28	20	31	23	23	3	4	0	24	20	10	4	18.4
New Martinsville	Maximum	40	18	37	38	31	35	40	38	36	22	30	45	40	37	37	37	35	36	40	39	41	35	35	34	31	27	35	35	32	29	21	34.4
	Minimum	17	2	4	27	18	21	31	33	18	8	12	20	30	30	32	25	23	18	23	28	20	30	27	29	8	12	2	26	21	2	7	19.5
Parkersburg	Maximum	38	17	36	39	33	36	40	37	31	20	30	45	41	35	40	35	32	35	35	36	40	37	35	37	26	29	37	35	28	30	18	33.6
	Minimum	10	5	10	20	20	23	33	31	12	10	16	24	31	31	33	25	23	22	28	27	22	31	28	23	13	18	12	28	12	11	9	20.7
Petersburg	Maximum	41	33	43	43	42	35	34	37	37	28	37	53	51	36	33	37	37	37	35	36	40	46	44	35	34	33	41	39	36	36	33	38.1
	Minimum	32	11	12	30	23	21	20	23	28	15	16	13	36	29	29	26	25	8	16	25	15	23	30	24	14	13	11	26	26	15	10	20.8
Pickens	Maximum	38	22	25	26	34	37	40	35	*30*	18	30	40	32	34	32	*24*	30	28	36	35	33	40	22	25	22	21	30	37	*22*	22	11	29.4
	Minimum	15	− 6	− 3	20	15	19	28	*30*	10	− 2	− 2	9	23	22	24	15	8	2	10	19	18	12	12	15	0	11	− 1	22	10	− 5	− 5	11.1
Point Pleasant	Maximum	45	21	37	38	37	37	40	41	37	24	30	43	42	37	40	40	41	37	37	37	43	43	41	39	39	33	39	39	32	31	27	37.0
	Minimum	32	7	12	32	22	22	32	34	28	10	12	22	35	31	33	26	26	19	27	30	23	31	30	33	16	19	15	33	20	11	11	23.7
Ralnelle	Maximum	51	19	35	37	38	49	43	37	33	20	36	42	38	35	34	33	24	39	39	36	49	44	35	32	32	35	42	38	38	28	24	36.0
	Minimum	19	5	5	28	18	12	32	32	19	9	11	11	32	28	29	21	19	8	25	30	18	26	22	25	15	22	8	28	19	2	2	18.7
Spencer[3]	Maximum	33	22	38	39	37	46	45	38	*35*	27	42	47	37	37	45	*32*	27	35	34	38	46	42	36	40	31	32	40	39	*32*	30	18	36.1
	Minimum	31	3	3	30	20	19	33	35	27	6	10	18	34	30	32	25	24	16	25	28	20	28	29	27	14	17	11	32	20	4	10	21.3
Summersville	Maximum	30	28	37	38	39	52	44	38	*36*	*27*	39	43	38	40	42	29	25	38	43	36	45	43	33	32	32	31	40	40	23	30	13	35.6
	Minimum	28	3	− 2	24	15	12	14	36	27	6	9	15	36	28	29	23	19	12	13	27	18	21	23	22	11	11	8	9	19	− 2	3	17.7
Sutton	Maximum	50	38	42	42	38	50	50	48	40	36	52	40	42	42	47	42	36	36	38	48	48	40	37	37	32	42	42	40	40	31	40.7	
	Minimum	24	9	5	31	24	19	35	32	26	8	14	15	33	33	31	26	25	14	22	31	22	28	29	31	15	21	10	31	24	7	10	22.1
Wardensville[3]	Maximum	43	30	45	47	40	36	31	36	33	*29*	33	50	37	32	32	34	37	39	41	41	46	50	35	34	30	31	41	40	32	31	19	36.7
	Minimum	30	12	8	14	21	18	19	20	29	11	11	11	20	28	28	27	24	− 1	11	20	12	18	29	22	11	4	2	5	18	7	8	16.0
Weston	Maximum	48	*26*	38	37	35	48	42	41	*40*	*31*	41	48	41	42	48	34	36	35	38	35	46	41	36	33	31	28	40	38	*33*	29	19	37.4
	Minimum	25	9	8	34	21	22	38	39	31	9	20	*20*	*30*	31	33	32	*24*	*14*	23	33	23	30	33	29	14	19	6	33	26	10	7	23.4
Wheeling[3]	Maximum	85	*33*	36	36	29	35	38	37	*32*	*24*	40	44	32	39	38	33	33	34	39	34	34	36	34	33	*25*	26	32	35	26	27	20	33.2
	Minimum	33	4	5	23	17	17	19	32	24	9	9	12	31	28	29	32	20	15	16	22	21	20	25	25	8	9	1	26	25	15	7	18.9
Williamson[3]	Maximum	25	44	44	46	50	50	48	42	28	37	43	42	44	46	45	33	41	46	45	48	49	44	43	43	44	51	50	35	36	35	19	41.8
	Minimum	23	13	21	34	25	25	39	38	26	19	16	24	37	33	35	29	28	27	33	85	30	35	31	35	25	28	22	26	27	20	13	27.5

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

551.05
UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIII FEBRUARY 1945 No. 2

GENERAL SUMMARY

Temperatures for the State averaged 2.1° above normal with a few scattered stations in each division averaging somewhat below normal. It was abnormally cold on the 1-4th and the 18-19th; however, it was generally above normal on the other days and abnormally warm on the 10th, 15-16th and the 21-22d. Readings of zero or lower were reached at 22 stations on the 1st, 8 on the 2d, 13 on the 3d, 13 on the 4th, and 3 on the 19th.

Precipitation averaged considerably above normal in all divisions with the northeastern panhandle having 114 percent, the northern division 145 percent and the southern division 140 percent of the normal amount. Three snow-storms occurred; the dates were the 8-9th, 16-17th, and the 27th, with the largest amount falling on the 16-17th. The greatest number of snow-lying days was 25 at Spruce Knob. There were two moderate rises in the Ohio River with crests well below flood stages on the 19th and the 25th, then came a third rise that brought crests of slightly above flood stage as far downstream as Wheeling, on the 28th. Below Wheeling, the river had reached flood stage and was still rising at the close of the month. The West Fork River at Clarksburg was somewhat above flood stage on the 28th. The Little Kanawha River at Glenville and Creston crested at slightly above flood stage on the 27th. Levels in the water-table wells increased during the month and much water was stored in the water-bearing gravels. At the end of the month, the water-table was abnormally high except in the extreme south and in the northeastern panhandle.

Farm work was on winter routine and was much hampered by wet fields during most of the month. The winter grains and the grasses remained in very good to excellent condition throughout, while fruit trees were still dormant at the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 72 stations, was 35.5°, or 2.1° above the normal. The mean for the northeastern panhandle division was 33.4°; for the northern division, 34.7°; and for the southern division, 36.8°. The highest monthly mean was 41.4° at Williamson, and the lowest, 29.0° at Pickens. The highest temperature was 80° at London Locks on the 15th and the lowest, −13° at Bayard and Canaan Valley on the 4th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 121 stations, was 4.36 inches, or 1.23 inches above normal. In the northeastern panhandle division, the average was 2.71 inches; in the northern division, 4.66 inches; and in the southern division, 4.65 inches. The greatest monthly precipitation was 6.68 inches at Kumbrabow, and the least, 1.52 inches at Martinsburg. The greatest amount in any 24 consecutive hours was 2.89 inches at Parkersburg on the 26-27th. The average monthly snowfall was 6.0 inches, or 2.2 inches below the normal. The greatest monthly snowfall was 19.0 inches at Stony River Dam. The average number of days with 0.01 inch or more of precipitation was 12.

Erratum: December, 1944.—Page 50, Elkins Minimum Temperature, 1st, 18°

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense			1	4	3	5	2	1	2	2	2	3	7	2	3	1	3	7	1	1	2	2	1	1		10	1	2			
Gales	8	5		1	1		1	3	1	5	2		7	1	4	6	4	1				12	13	6	1	2	4	10			
Glaze			16	3	1	1	2	1						1			1	1			1	1						11			
Hail																															
Halos, lunar						1										1															
Halos, solar																		1						1		2					
Sleet			13	6	1		3	1						1		2	4			1	1	3				1					
Thunderstorms															5	32					1	3					2	19			
																						11									

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.68	19	29.48	22	7.9	29	sw.	22	87	68	74	43	858
Columbus, Ohio	30.65	19	29.40	22	10.0	40	sw.	22	84	72	78	41	903
Elkins	30.66	19	29.58	13	8.2	34	w.	28	93	74	79	39	884
Huntington Airp't.	30.68	19	29.53	3	.....	22	w.	28	86	67	72	....	796
Parkersburg	30.68	19	29.52	13	7.0	23	sw.	28	83	64	70	31	841
Petersburg, W. Va.	30.67	19	29.68	13	.....	25	w.	28	81	62	68	....	791
Pittsburgh, Pa	30.66	19	29.53	13	11.1	42	sw.	22	83	68	74	31	929

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	.....	.....	2.09	5.23	5.79	5.39	.....	.....	.....	.....	.....
1892	37.1	72	−12	1.82	2.62	2.61	2.30	.....	9	.....	.....	.....
1893	35.0	71	−6	3.68	5.11	4.68	4.81	.....	12	.....	.....	.....
1894	33.4	74	−5	3.25	3.89	4.09	3.99	.....	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	.....	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	.....	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	.....	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	.....	9	10	8	10
1899	26.1	69	**−35**	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	0.31	0.97	0.95	**0.86**	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	9	8	11
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	0.81	2.51	2.41	2.27	4.7	7	13	**6**	**9**
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	**−4**	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	−5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	−3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	0.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	0.59	1.04	1.02	0.96	9.3	8	8	8	12
1942	29.3	66	−14	1.50	2.51	2.14	2.22	6.9	10	8	6	14
1943	34.6	76	−13	1.09	2.14	1.90	1.89	5.7	11	8	9	11
1944	37.3	79	−13	2.67	3.72	4.23	3.77	3.8	12	8	8	13
1945	35.5	80	−13	2.71	4.66	4.65	4.36	6.0	12	7	8	13
Period	33.4	86	−35	2.38	3.25	3.22	3.13	8.2	10	8	7	13

Climatological Data for February 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	30.2	+0.6	58	15†	−13	4	4.54	+1.04	1.10	26	11.0	11	11	9	8	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	33.1	−1.6	64	15	− 2	19	2.43	+0.67	0.67	13	5.0	7	14	0	14	n.	E. L. Keister
Great Cacapon	Morgan	500	1	34.2	.....	60	26	0	4	2.32	.....	0.84	26	5.0	9	11	8	9	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	2.98	+0.72	1.08	27	4.5	9	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	34.9	.....	62	25	4	19	3.31	.....	1.00	13	5.0	10	12	6	10	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	34.0	+0.1	60	27	7	20	2.75	+0.39	1.03	26	6.0	9	8	11	9	nw.	University Exper. Station
Martinsburg	Berkeley	435	53	31.1	−0.3	60	26	5	20	1.52	−0.88	0.30	17	5.0	10	2	9	17	sw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	11	34.4	+2.1	70	15	− 1	4	2.52	+0.39	0.70	28	6.0	5	9	10	9	w.	R. E. Saville
Petersburg	Grant	1,029	6	36.8	.....	69	15	7	4	2.86	.....	0.80	28	5.9	9	8	5	15	n.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	32.6	−1.2	60	10	5	4	3.26	+1.02	0.96	26	9.0	11	9	7	12	w.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	3.96	+1.11	.....	.....	19.0	11	4	6	18	.....	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	27	33.1	−0.7	68	15	5	4	2.11	+0.40	0.47	17	.....	9	.....	.....	.....	.....	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	5.16	+2.06	1.29	26	7.5	13	4	9	15	.....	L. Esle Bond
Benson	Harrison	1,080	20	36.4	−1.6	72	15	− 2	3	6.05	+2.34	1.88	27	15.5	11	7	13	8	.....	R. D. Marts
Bens Run	Pleasants	652	44	35.7	+2.9	68	15†	5	1	4 55	+1.44	1.93	26	5.4	13	19	0	9	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	30.0	.....	68	15	0	1	4.39	.....	1.89	27	8.0	9	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	37.2	−0.4	75	15	0	3	4.55	+1.48	1.12	27	.....	12	8	9	11	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	37.4	+4.3	70	15	3	4	5.09	+1.33	1.12	27	8.6	16	10	7	11	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	35.8	+1.6	76	15†	1	3	5.52	+2.55	1.70	27	5.5	14	5	14	9	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	29.5	.....	59	15	−13	4	4.56	.....	1.19	26	12.4	12	6	12	10	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	31.5	−3.1	69	15	5	4	4.44	+1.40	2.04	27	9.6	14	6	10	12	w.	Clarksburg Water Board
Creston	Wirt	640	44	37.8	+3.1	76	16	− 2	1	4.70	+1.51	1.89	27	6.5	12	2	16	10	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	32.0	.....	65	15	6	1	4.26	+1.39	2.00	27	9.0	13	11	6	11	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	3.83	+1.40	1.77	27	.....	12	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	4.64	+1.65	2.27	27	6.0	13	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	4.23	+1.66	2.42	27	2.7	11	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	5.72	+2.96	2.74	27	7.7	14	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	5.31	+2.45	1.90	27	6.0	12	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	33.5	+2.5	69	15	0	4	4.26	+1.18	1.27	27	6.7	14	3	6	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	53	34.5	+1.4	72	15	8	1†	5.02	+2.00	1.72	27	11.9	16	5	6	17	w.	J. C. Robinson
Glenville	Gilmer	738	57	38.0	+3.4	77	15	2	3	4.86	+1.29	1.70	27	7.5	13	10	12	6	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	35.2	+2.6	74	16	1	4	5.02	+2.11	1.85	27	8.2	11	8	9	11	.....	L. W. Clayton
Grantsville	Calhoun	760	1	38.4	.....	76	16	5	1	4.50	...	.....	.....	5.0	12	11	17	0	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	33.2	.....	68	15	6	1†	4.68	.....	2.43	27	5.0	13	3	5	20	sw.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	5.06	.....	1.37	27	4.8	14	8	10	10	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	3.91	+1.14	1.32	27	.....	12	.....	.....	.....	.....	Mrs. Ova Lester
Mannington, 1½ mi. NW	Marion	974	43	34.8	+2.0	73	15	− 1	4	5.85	+2.95	1.32	26	8.3	16	4	9	15	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	4	33 5	.....	75	15	− 4	3	4.20	.....	2 09	27	5.3	11	7	7	14	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	34.9	+2.1	71	15	6	1	4.37	+1.81	1.24	27	7.0	12	5	9	14	sw.	State Dairy Farm
New Cumberland	Hancock	671	50	31.5	+2.4	67	15	6	1	3.57	+1.13	1.20	22	2.0	12	7	9	12	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	35.9	+2.4	74	15	7	1†	4.46	+1.62	1.43	26	4.5	13	7	11	10	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	35.0	+0.8	75	15	5	1	5.07	+1.94	2.89	27	5.4	12	4	7	17	sw.	Section Center
Parsons	Tucker	1,649	46	34.4	+2.7	70	15	0	4	4.98	+1.46	1.86	27	8.1	16	.....	.....	.....	.....	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	4.15	+0.97	2.14	27	10.8	14	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	29.0	−2.9	64	15	− 6	1	5.47	+0.38	1.20	28	12.5	12	6	6	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	4 76	+1.38	1.07	26	7.0	11	5	6	17	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	35.3	.....	72	15	3	4	5.23	+1.58	2.86	27	12.0	11	5	1	22	nw	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	4.99	+2.06	.....	.....	.....	15	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	3.13	−0.43	1.50	27	11.5	14	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	37.6	−0.9	74	15	1	3	5.34	+2.27	1.35	27	9.6	13	8	7	13	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	33.5	+3.5	68	15	0	4	3.54	+1.35	1.25	22	2.5	6	2	12	14	.....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	5.14	+1.81	1.50	27	8.0	12	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	38.2	+4.3	75	15	8	1†	4.72	+1.12	2.07	27	11.9	14	0	17	11	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	33.1	+1.0	70	15	7	1	3.47	+1.18	1.28	27	2.0	11	7	0	21	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	34.8	.....	62	15	− 8	4	3.33	.....	0.76	16	T.	9	4	14	10	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	3.33	+0.46	0.85	13	7.5	10	8	9	11	sw.	H. S. Sutton
Athens	Mercer	2,600	5	36.8	.....	69	15	0	1	3.96	.....	1.66	17	T.	13	10	8	10	nw.	Concord College
Bluefield	Mercer	2,558	50	38.9	+4.1	69	15	2	1	4.89	+1.96	1.64	17	3.0	14	13	4	11	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	37.0	−2.2	77	15	4	2	5.33	+2.02	1.68	28	1.6	14	7	6	15	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	37.6	.....	78	15	0	1	5.37	.....	1.51	27	2.0	11	5	8	15	ne	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	31.0	.....	64	27	− 6	4	5.53	.....	1.35	13	4 2	13	9	6	13	w.	Department of Justice
Flat Top	Mercer	3,235	7	33.0	.....	66	15	− 4	1	4.92	.....	1.68	13	0.8	11	8	6	14	uw.	U. S. Airway Station
Gary	McDowell	1,426	28	39.8	+1.9	73	15	4	2†	4.88	+1.74	1.43	17	0.2	15	...	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	36.8	.....	75	15	0	1	6.41	.....	2.11	27	.....	10	.....	.....	.....	.....	State Forest Nursery
Hamlin	Lincoln	641	2	36.4	.....	78	15	− 7	1	5.49	.....	1.58	28	T.	11	12	7	9	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	38.8	+3.3	78	15	3	1	4.03	+1.14	1.58	13	T.	10	.....	.....	.....	.....	Mrs. M. L.McClung
Huntington	Cabell	571	49	40.0	+5.3	78	15	5	1	5.35	+2.27	1.75	27	3.5	11	6	6	16	w.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	4.84	+1.40	1.25	17	.....	6	.....	.....	.....	.....	Tmax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	James B. Stuart
Logan	Logan	700	32	39.2	−0.3	74	15	6	1†	4.48	+0.98	1.03	17	T.	14	7	8	13	.....	Paul A. Simonds
London Locks	Kanawha	623	10	40.8	.....	80	15	5	2	4.89	....	1.26	17	.....	14	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	24	38.0	+1.4	76	15	3	1†	4.75	+1.52	1.07	27	.....	14	2	9	17	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	34.0	.....	71	15	− 1	1	4.04	.....	1.18	13	.....	13	9	4	15	.....	M. H. Martin
Pineville	Wyoming	1,350	3	40.8	.....	76	15	2	3	5.12	.....	1.43	13	.....	15	11	6	11	.....	Charles Dameron
Point Pleasant	Mason	595	55	37.6	+4.2	73	15	4	1	4.59	+1.44	1.70	27	2.0	10	7	5	16	w.	E. C. Winger
Rainelle	Greenbrier	2,424	14	34.3	+0.8	70	15	− 3	3	5.59	+1.38	1.35	13	4.0	16	10	3	15	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	34.0	−4 8	72	15	− 4	1	4.51	+1.54	2.00	27	3.0	12	4	2	22	sw.	Lockmaster
Richwood	Nicholas	2,193	14	33.6	−0.9	70	15	0	1†	4.30	+0.18	0.92	27	T.	6	8	6	14	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	37.3	.....	77	16	− 2	1	5.12	.....	1.25	27	4.0	8	.....	.....	.....	sw.	Pfost Greenhouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	32.3	.....	61	15	−11	3	4.38	.....	.....	.....	5.0	8	8	5	15	.....	Supt., State Forest
Spencer	Roane	789	46	34.8	−0.4	75	15	− 1	1	5.35	+2.20	1.45	27	6.5	12	2	12	14	.....	A. M. McKown
Summersville	Nicholas	1,900	9	32.4	.....	72	15	− 6	2†	4.28	.....	0.85	27	T.	10	3	7	18	.....	A. E. Dorsey
Sutton	Braxton	850	42	37.7	+1.6	76	15†	4	3	4.32	+0.88	1.04	27	10.2	13	12	15	1	.....	C. B. Eakle
Union	Monroe	2,200	41	35.2	0.0	71	15	2	1	2.73	−0.12	.....	.....	.....	11	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	13	39.6	.....	73	15	4	3	5.07	.....	1.35	28	3.0	8	11	6	11	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	38.3	+2.8	78	16	4	1	3.32	+0.69	1.08	13	.....	11	0	14	14	w.	Ashford General Hospital
Williamson	Mingo	673	44	41.4	+4.0	79	15	6	2	3.41	+0.06	1.11	18	T.	13	9	9	10	nw.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	35.8	.....	77	15	2	1†	4.74	.....	1.72	27	2.5	14	6	3	19	se.	Lockmaster
State averages and extremes		.....	....	**35.5**	**+2.1**	**80**	**15**	**−13**	**4**	**4.36**	**+1.23**	**2.89**	**27**	**6.0**	**12**	**7**	**8**	**13**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for February 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.10	.05	T.	T.	.22			.05	T.		T.		.23			.50	.65				T.	.18				1.10	.88	.58				4.54
Brandywine	do				T.									.67			T.	.50	T.			.15	.20				.30	.03	.58				2 43
Bushy Run[2]	do					.03				T.				.43	.20		.05	.05	.63				.08	T.			.07	.38	.22				2.44
Harpers Ferry[2]	do													.57	.28		.19	.44	.21														2.98
Inwood	do				.10			T.						1.00	.05		.05	.35				.15	.25				.80	.12	.44				3.31
Kearneysville	do				T.				.08					.30			.05	.62				.07	.15				1.03	.04	.41				2.75
Knobly Mouutain[2]†	do		T.			T.			T.	T.				.35	.13		.12	.30	.25			T.	.20				.50	.44	T				2.29
Martinsburg[4]	do				.03	T.			T.					.12	.20		.05	.30	.20				.19	.14				.06	.23				1.52
McNeill†	do				T.				T.					.50			.07	.62				T.											2.52
Petersburg	do				T.	T.			T.			T.		.66	.05		.11	.66	T.			.04	.04				.63		.70				2.86
Piedmont	do					.04			.02	.08				.34			.30	.60				.02	.20				.48	.02	.80				3.26
Romney	do																										.96	.28	.42				
Spruce Knob[2]†	do		.13			T.								.37	.21		.34	.14	.30			.08	.28	.04			.17	.37	.26				2.69
Stony River Dam[2]†	do	.15	.10						.06			.05		.20			*	1.15					.75				.70	*	.80				3.96
Wardensville[2]	do					T.			T	T.				.40	.20		.04	.47	.41				.03				.05	.45	.06				2.11
Northern Division																																	
Aberdeen†	West Fork	T.	T.		.03	.07			13	.05		.13		.30	.11		.31	.57				T.	.30				1.29	1.26	.61				5.16
Belington[2]	Tygart	.02	T.	T.	T.	.17			.01	.15	T.	.16		.30	.08		.33	.47	.16			T.	.05	.13			.08	1.81	.07				3.99
Benson†	West Fork		.08			.15			.28			.18		.20			.25	.75					.58				1.15	1.88	.55				6.05
Bens Run	Ohio					.09				.10	.25	.01		.45		.02	.01	.39				.09	.40				1.93	.64	.17				4.55
Big Skin Creek†	West Fork			T.	.02	.16	T.	.03	.15	.02				.50			.40	.70				.02	.20				1.00	.70	1.02				4.92
Brandonville[2]	Cheat		.05						.08	T.		.38		.14			.33	.40					.74				.38	1.89	T.				4.39
Brownsville†	West Fork				.02	.10			.02			.15		.37	.11		.15	.57					.28				1.03	1.12	.63				4.55
Buckhannon	Tygart	.01	.01		.12	.12			.13	.06		17		.36	.05		.31	.65	T.			.03	.24				1.03	1.12	.68				5.09
Cairo	Litl.Kanawha		T.		.02	.08			.10	.02		.23		.27	.22		.28	.65				.10	.30				1.10	1.70	.45				5.52
Canaan Valley	Cheat		.06	.01					.10			.02		.49			.58	.50				.05	.12				1.19	.47	.97				4.56
Clarksburg[2]	West Fork	T.	T.	T.		.13			.05	.03		.16		.19	.15		.35	.40	.15				.46	.09			.23	2.04	.01				4.44
Crawford	do				.02	.03			.14					.53	.07		.25	.83				.02	.07				.90	.71	.96				4.53
Creston[2]	Litl.Kanawha	T.	T.		T.	.10			.05	T.		.05		.45	.30		.26	.15	.05			T.	.50				.50	1.89	.40				4.70
Dailey[2]†	Tygart	T.	T.	T.	T.	.10	T.		T.	.04				.41	.09		.36	.68	.17				.10	T.	T.		.04	1.03	.04				3.06
Dam 10, Mon. R. 2†	Monongahela	T.	T.	T.		.15			T.	.09		.15		.05	.18		.20	.23	.20			.04	.71	.12			.14	2.00					4.26
Dam 13, O. R. 2†	Ohio		.01	T.	T.	.11				.03		.08		T.	.45		.02	.01				.03	1.21	.11			.12	1.65					3.83
Dam 15, Mon. R. 2†	Monongahela		T.	T.		.18			T.	.11		.16		.08	.26		.10	.25	.28			.05	.63	.14			.13	2.27	T.				4.64
Dam 19, O. R. 2†	Ohio		T.			.07			.05			.21		.18	.20		.08	.18	T.			.04	.42	T.			.38	2.42					4.23
Dam 20, O. R. 2†	do	.40	.05			.02			.06	.08		.25		.30	.30		.26	.23	T.			T.	.48				.41	2.74	.14				5.72
Elizabeth (Dam 3)[2]	Litl.Kanawha					.10			.10			.40		.37	.26		.37	.33				.10	.43				.52	1.90	.43				5.31
Elk†	West Fork					.10				.18				.45			.38	.48					.40				1.45	.96	.74				5.14
Elkins[1]†	Tygart	.02	T.	T.	.12	.02			.10	.02	.08	T.		.55	T		.45	.44	T.	T		.04	.08	T.			.94	.45	.95				4.26
Fairmont[2]	Monongahela	.01	.02	T.		.15			.09	.08		.16		.18	.22		T	.60	.17	T.		.14	.70	.02			.46	1.72	.30				5.02
Glenville[2]	Litl.Kanawha	T.	T.		T.	.28			.10	.14		.22		.20	.61		.40	.23	.29				.37				.22	1.70	.10				4 86
Grafton	Tygart		.01			.13				.01		.27			.21		.20	.62					.47				.90	1.85	.35				5.02
Hackers Creek†	West Fork				.15							.10						.64									1.62	1.24	.29				4.04
Hall[2]	Tygart	T.	T.	T		.24			.03	.17	T.	.14		.36	.07		.31	.35	.18		T.	T.	.06	.09	T.		.12	2 06	.03				4.21
Harrison Co. Arpt.[4]	West Fork	T.	T.	T.	.06	T.			.11	.01	.14			.30	T.		.23	.32		T.	.01	.23	.20	T.			2.31	.38	.38				4.68
Hastiugs	Ohio		.05	T.	.03	.17			.05	T.		.30		.13	.23	T.	.18	.42				04	.65	T.			1.16	1 37	.28				5.06
Horner	West Fork					.15				.17		.12			.53		.22		.10				.30				1.42	1.02	.35				4.38
Ireland	do	.02	.01		.04				.06									.17	.03				.07				1.09	.72	1.02				3.23
Jane Lew	do				.02	.22	T.		.16					.28			.03	.31	.04			.34	T.			.06	.92	1.32	.21				3.91
Kumbrabow St. For.†	[2]Tygart	.04			.06	.24		.05	.50	.20				.99	.13		.60	.97				.15	.12				.90	1.60	.13				6.68
Mannington	Monongahela		.01	T.	.04	.16			.08	.02	T.	.22		.40	.10	.01	.37	.59	T.			.07	1.00				1.32	1.21	.25				5.85
Middlebourne[2]	Middle1s.Creek		T.	T.		.11			T.	.06		.11		11	18		T.	.21	.07			T.	.45				.53	2.09	.28				4.20
Midvale[2]†	Tygart	.04	.22	.06		.06			.06	.09	.04	.32		.18	.32		.39	.46	.20				.09	.06			.12	1.22	.48				4.31
Morgantown	Monongahela					.15			.12	.02		.17		.23			.14	.52				.07	.79				.66	1.24	.26				4.37
Mt. Clare	West Fork				.01				.20					.38			.37	.74					.45				1 32	1.28	.48				5.23
New Cumberland	Ohio				.02	.04			03	T.	.05	.04		.88													.54	.43	.24				3.57
New Martinsville	do		T.		.05	.07			.04	.02	.18			42			.10	.32				.16	.70				1.43	.80	.17				4.46
Parkersburg[1]‡	do	T.	T.	T.	.04				.14	T.	.16			.40		T.	.14	.33			.03	.23	.18	T.			2.78	.18	.46				5.07
Parsons	Cheat	.03	.01	T.	.02	.17			.10	.01		.16		.36	.06		.30	.82	T.			.01	.10				1.26	.81	.76				4.98
Philippi[2]	Tygart	T.	T.	T.	T.	.09			.03	.12	T.	.12		.27	.07		.25	.43	.18			T.	.18	.06	T		.17	2.14	.04				4.15
Pickens	do	.02			.30	.30			.80		T.	T.		.75			.75	.11				.11	.20				.80	.13	1.20				5.47
Roanoke	West Fork				.13	.08								.47	.03		.34	.72				.03					1.07	1 01	.70				4.76
Rockford†	do	T.	T.		.04	.14			.15			.17		.42			.28	.72		T.	T.	.33					1.03	1.22	.59				5 09
Rowlesburg[2]	Cheat	T.		T.	T.	.33			T.	T.		.27		.18	.20		.32	.25	.25			.35	.10	T.			.12	2.86	T.				5.23
Saint Marys[2]	Ohio	T.	T.			.14			.04	.06		.40		.17	.33		.14	.23	.14			.06	38	.06			.27	*	2.57				4.99
Salem	West Fork	T.	T.		.09	.05			.10	T.		.26		.27			.30	.74				.01					1.39	1.29	.48				4.98
Shinnston	do				.10	.02			.40	.10				.10	T.			.80				.20	.74				1.50	.95	.50				5.41
Thomas[2]	Cheat	.10	T.			.27			T.	.10		.03		.10	.03		.25	.37	.20				.03	.05			.05	1.50	.05				3.13
Valley Chapel	West Fork		T.		.02	.08			.15	.04		.14		.27	.21		.24	.72				T.	.42				1.20	1.35	.50				5.34
Valley Head[2]	Tygart	T.	T.			.18	T.			.04		.08		.45	.37		.44	.58	.51				.11	.08			.15	1.00	.56				4.55
Vandalia†	West Fork					.07			.14			.13		.34			.30	.78					.18				1.00	.93	.62				4.49
Wellsburg (near)	Ohio	T.								T.				.87	.30	T.						T.	.15	1.10			.45	.67	T.				3.54
West Milford	West Fork					.13				.05		.15		.21	.10		.31	.50				.02	.51				1.16	1.50	.50				5.14
Weston[2]	do	.03	.04	T.		.18			T.	.22		.14		.20	.26		.20	.31	.51				.26	.06			T.	2.07	.24				4.72
Wheeling (Dam 12)[2]	Ohio		T.		T.	.10			T.	.02		.06		T.	.61		.06	T.				.20	1.01	.07			.06	1.22	.06				3.47
Southern Division																																	
Alderson	Greenbrier					T.			T.					.76	.36	.10	.76	.47			.14	.20	T.			T.	.26	.28					3.33
Arbovale	do					.05			.05					.85			.23	.20				.41	.10				.43	.26	.75				3.33
Athens	New				.07	.01			.01			.01		1 25			.11	1.66	.06			.16	.02	.02			T.	.24	.34				3.96
Bluefield	New					.15			.10	.02		.05		1.35	.04		.30	1.64	.22			.12	.08	.14				.40	.28				4.89
Camden-on-Gauley[2]	Gauley		.01			.12			.01	.07				.70	.12		.19	.79	.20				.39				.27	.98	.80				4.65
Charleston	Gr. Kanawha					.09			.08	.04		.10		.44	.04		.20	.56	.15			.10	.16				.19	1.50	1.68				5.33
Charleston (Airport)[4]	do	T	T.		.06	T.		T.	.14	T	.03			.57			.25	.69			T.	.20	.18	T.			1.49	.28	1.48				5.37
Clay[2]	Elk																																
Flat Top[4]	New				.18				.05		T.		.36	1.32			.23	1.49	T.			.16	.27				.04	.60	.22				4.92
Gary[2]	Big Sandy				.02	.10			.06	T.		.01		1.14	.07		.18	1.43	.53			.10	.15	.06			.11	.70	.22				4.88
Greenbottom†	Ohio					.10			.19					.80			.20	.32				.35	.67				1.50	1 28	1.00				6.41
Hinton[2]	New					.10				T.				1.42	.16		.11	1.07	.37			.16	.18				T.	.36	.10				4.03
Hogsett[2]	Ohio					.12			.12	.05		.18		.34	.30		.20	.25	.12			.02	85	.01			.60	1.97	.45				5.58
Huntington	do				.06				.19	T.	.05	.10		.53			T.	.61			T.	.20	.62				1.19	1.08	.72				5.35
Kayford[2]	Gr. Kanawha													1.10	.25			1.25					.45					.90	.89				4.84
Lewisburg	Greenbrier																										.40	2.00	.20				4.51
Logan[2]	Guyandot	T			T.	.05	T.		.04	.02		.06		.73	.15		.29	1.03	.20		T.	.14	.25	T.			.02	.87	.63				4.48
London Locks[2]†	Gr. Kanawha					.17			.07	.05	T.	.12		.49	.38		.12	.78	.48				.28	.09			.12	.96	.78				4.89
Madison[2]	Coal					.12			.08	.06		.09		.69	.23		.21	.78	.16			.16	.23				.08	1.07	.79				4.75
Oak Hill[2]	New				.02	.01			.04					1.18			.55	.70	.05	.05	.15	.20				.25	.55	.29				4.04
Pineville[2]	Guyandot					.30	.20		.08	.02				1.35	.08		.12	1.18	.05	.22		.13	.30	.07				.80	.22				5.12
Point Pleasant[2]	Ohio	T				.02			.11	T.	T.	T.		.58	.10		.18	.03				T.	.86				.61	1.70	.40				4.59
Princeton[2]	New					.09								.75	.23		1.32	.63		.11		.09						.39	.07				3.68
Rainelle	Greenbrier	.05			.07	.09			.10	.02		.05		1.35	.14	T.	.43	1.26	.02		T.	.17	.15				.28	.66	.75				5.59
Ravenswood[2]	Ohio					.06			.05			.22		.42	.20		.20	.25	.10			T.	.41				.40	2.00	.20				4.51
Richwood[2]	Gauley													.82			.46	.85									.58	.92	.67				4.30

Continued on next page.

Daily Precipitation for February 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	....	....	....	....	T.	....	....	T.	....	T.	.15	....	•	....	....	.76	.64	....	....	....	....	.50	....	....	....	1.20	1.25	.62	....	....	....	5.12
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Seneca State Forest†	Greenbrier	....	....	....	....	•	....	....	•	....	....	....	....	•	....	....	....	1.99	....	....	....	....	.39	.30	....	....	.43	....	1.27	....	....	....	4.38
Spencer [2]	Litl.Kanawha	....	T.	....	....	.53	....	....	.04	....	....	.21	....	.55	.24	....	.27	.30	.10	....	....	....	.39	....	....	....	.60	1.45	.67	....	....	....	5.35
Summersville [2]	Gauley	T.	T.	....	....	.28	....	....	.05	.15	....	....	....	.82	.28	.06	T.	.78	....	....	....	....	.16	....	....	....	.15	.85	.70	....	....	....	4.26
Sutton	Elk	T.	T.	T.	.02	.15	....	....	.12	.06	....	.13	....	.55	....	....	.38	.12	....	....	.05	.12	....	....	....	....	.66	1.04	.92	....	....	....	4.32
Union [2]	New	....	....	....	....	.05	....	....	....	....	....	....	....	•	.95	....	.15	•	.88	....	....	.10	.15	.15	....	....	....	.10	.20	....	....	....	2.73
Wayne [2]	Twelvepole	....	....	....	....	.14	....	....	.20	....	....	.18	....	.57	.08	....	.40	.60	.15	....	....	.21	.42	....	....	....	.20	1.85	1.38	....	....	....	6.38
Webster Springs	Elk	T.	....	....	....	T.	....	....	.15	T.	....	....	....	.60	....	....	.30	1.05	....	....	....	.06	T.	T.	....	....	.45	1.11	1.35	....	....	....	5.07
White Sulp'r Spgs	Greenbrier	....	....	....	.04	T.	....	....	T.	....	....	....	....	1.08	.04	....	.27	.99	....	....	....	.12	.08	.07	....	....	.12	.25	.26	....	....	....	3.32
Williamson [2]	Big Sandy	T.	....	....	....	.03	....	....	.06	.02	.04	....	....	.74	.05	....	....	....	1.11	.13	....	.18	•	.25	....	....	....	.80	....	....	....	....	3.41
Winfield Locks [2]†	Gr. Kanawha	....	....	....	....	.06	....	....	.09	.03	....	.12	....	.43	.20	....	.15	.47	.22	....	....	....	.42	.01	....	....	.31	1.72	.51	....	....	....	4.74

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. • Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMecheu; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for February 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	15	19	20	30	42	38	43	42	39	52	47	52	38	40	58	58	35	29	27	46	45	56	58	40	52	48	53	42	....	....	....	41.6
	Minimum	3	8	9	−13	23	1	20	22	25	25	22	20	31	25	20	34	22	15	7	3	29	32	29	23	20	30	26	17	....	....	....	18.9
Beckley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Bluefield	Maximum	20	26	30	40	50	37	50	47	44	56	52	58	57	54	69	68	46	35	39	48	47	57	56	46	56	64	63	54	....	....	....	48.9
	Minimum	2	8	13	21	30	27	25	29	26	41	32	28	40	34	39	42	34	24	20	31	39	36	32	28	29	30	34	34	....	....	....	28.9
Brandywine	Maximum	28	30	32	30	42	43	50	45	48	61	56	58	60	61	64	60	41	40	35	46	36	57	55	50	54	58	57	36	....	....	....	47 6
	Minimum	5	1	−1	1	18	9	10	30	21	22	24	12	22	27	24	39	22	9	−2	7	26	28	30	25	16	38	36	21	....	....	....	18.6
Buckhannon	Maximum	17	22	24	43	45	41	44	44	41	60	58	52	58	52	70	69	45	32	30	48	56	61	55	48	58	55	58	46	....	....	....	47.6
	Minimum	7	14	8	3	31	20	33	33	30	33	31	25	40	32	31	43	27	20	10	15	36	51	35	28	25	44	32	25	....	....	....	27.2
Cairo	Maximum	20	21	29	32	44	38	42	43	36	60	62	53	59	59	76	76	49	32	34	44	50	63	60	48	56	61	55	41	....	....	....	48.0
	Minimum	4	14	1	4	28	15	31	30	30	28	30	23	36	31	30	26	29	5	4	15	33	40	36	23	23	35	28	27	....	....	....	23.5
Charleston (Airport)	Maximum	21	27	34	49	39	35	48	38	50	66	48	60	64	52	78	67	37	35	40	54	61	65	47	56	65	62	38	46	....	....	....	49.4
	Minimum	0	2	9	15	23	21	27	32	31	35	24	22	37	31	30	37	24	15	13	29	40	39	32	25	27	37	31	32	....	....	....	25.7
Clarksburg [3]	Maximum	16	16	26	45	33	37	39	34	45	58	38	48	54	44	69	46	28	29	30	40	60	60	43	50	52	54	30	41	....	....	....	41.6
	Minimum	8	8	9	5	13	17	18	30	29	29	28	23	24	31	26	26	27	9	8	8	23	34	36	28	23	23	29	27	....	....	....	21.4
Cranberry Glades	Maximum	10	18	29	31	43	39	43	36	41	55	48	51	52	44	62	59	40	27	32	50	39	51	48	44	49	53	64	38	....	....	....	42.7
	Minimum	−3	3	−2	−6	22	9	15	25	21	25	22	14	32	26	21	34	24	17	5	12	32	32	26	23	15	40	28	26	....	....	....	19.2
Elkins	Maximum	13	18	25	48	38	36	44	39	40	59	41	52	52	46	69	64	34	28	31	48	52	60	41	47	57	59	48	45	....	....	....	44.1
	Minimum	5	11	4	0	20	18	28	28	26	31	24	21	35	28	25	33	25	15	13	13	33	35	32	26	21	44	25	23	....	....	....	22.9
Fairmont [3]	Maximum	21	24	32	43	33	48	42	37	47	63	44	61	55	48	72	53	32	37	36	43	58	62	47	57	57	54	35	41	....	....	....	45.8
	Minimum	8	8	14	8	14	16	18	33	30	29	30	27	28	30	30	39	28	12	10	12	24	35	35	26	26	27	28	26	....	....	....	23.2
Flat Top	Maximum	15	22	27	42	35	32	43	32	42	55	41	54	47	45	66	56	36	29	37	45	42	51	42	43	53	60	45	47	....	....	....	42.3
	Minimum	−4	1	6	20	22	23	24	22	22	33	25	26	35	30	30	33	24	17	13	26	34	32	27	24	24	44	30	24	....	....	....	23.8
Gary [3]	Maximum	24	30	37	50	34	41	57	38	50	61	50	58	62	56	73	57	38	39	44	55	60	58	45	58	63	69	46	57	....	....	....	50.4
	Minimum	5	4	4	10	33	26	26	25	30	29	30	21	21	39	30	32	36	26	21	21	29	45	35	27	25	32	36	36	....	....	....	26.2
Glenville	Maximum	20	25	35	34	37	48	47	39	44	65	51	58	59	53	77	76	46	36	39	49	57	64	56	55	65	64	55	46	....	....	....	50.0
	Minimum	6	15	2	8	22	19	32	31	31	29	33	23	38	32	28	41	29	6	6	17	35	52	37	25	24	40	31	37	....	....	....	26.0
Grafton	Maximum	19	20	24	30	46	47	48	45	38	61	61	55	55	54	68	74	49	34	31	46	57	61	61	48	58	59	54	47	....	....	....	48.2
	Minimum	3	10	11	1	25	12	28	28	25	28	26	20	33	27	25	37	23	9	5	11	30	46	31	23	20	37	24	21	....	....	....	22.1
Hamlin	Maximum	23	28	34	49	37	36	46	38	53	72	48	59	63	52	78	48	35	40	35	54	62	62	53	63	65	62	39	45	....	....	....	49.4
	Minimum	−7	−4	5	6	33	22	25	26	31	31	27	19	20	34	26	35	30	14	13	13	32	40	35	25	22	30	30	32	....	....	....	23.4
Huntington	Maximum	26	30	32	48	45	35	45	44	51	65	49	59	60	54	78	75	43	38	38	52	64	63	52	58	65	58	55	42	....	....	....	50.9
	Minimum	5	7	10	20	33	23	29	34	32	38	31	24	42	34	31	41	30	17	17	31	38	47	36	27	30	45	30	32	....	....	....	29.1
Lewisburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Logan [3]	Maximum	26	33	34	49	36	39	50	40	53	63	53	62	65	52	74	50	36	41	44	61	65	62	51	57	65	69	43	53	....	....	....	50.9
	Minimum	6	6	7	14	20	28	28	31	32	32	33	25	25	40	31	33	35	26	22	22	34	44	39	29	29	30	35	35	....	....	....	27.5
Madison [3]	Maximum	23	28	34	50	36	38	49	38	50	50	66	64	66	51	76	51	35	38	43	58	64	63	50	57	65	69	42	53	....	....	....	50.2
	Minimum	3	3	6	11	28	25	27	29	31	32	25	22	23	36	30	33	34	22	18	19	33	43	38	26	27	29	33	33	....	....	....	25.7
Mannington	Maximum	20	22	29	36	44	44	42	38	37	59	50	54	50	50	73	72	43	34	34	42	54	62	55	53	55	56	55	42	....	....	....	46.6
	Minimum	7	15	14	−1	27	10	29	29	29	27	30	22	35	29	24	37	27	3	3	9	32	46	34	22	19	32	28	24	....	....	....	22 9
Martinsburg	Maximum	19	26	28	32	39	36	35	35	36	40	45	42	54	36	44	52	50	33	33	31	34	33	47	46	54	60	46	46	....	....	....	39.7
	Minimum	9	14	18	8	9	14	15	15	30	26	34	29	19	31	28	28	29	19	8	5	18	32	33	32	31	32	40	25	....	....	....	22.5
Morgantown	Maximum	17	20	28	41	43	44	41	42	40	60	40	53	51	43	71	69	40	30	30	39	47	61	55	50	56	54	52	44	....	....	....	45.0
	Minimum	6	13	12	8	25	13	30	32	28	30	27	27	35	27	32	35	25	11	10	14	31	43	33	26	29	43	26	22	....	....	....	24.8
New Martinsville	Maximum	24	24	32	37	37	45	42	41	38	61	46	56	53	47	74	71	43	35	35	39	55	62	49	57	56	55	54	40	....	....	....	46.7
	Minimum	7	16	7	7	27	15	31	30	29	29	25	25	37	30	28	37	28	12	14	19	32	44	34	25	24	37	28	27	....	....	....	25.1
Parkersburg	Maximum	21	25	28	44	36	38	42	39	40	58	42	55	46	44	75	66	31	31	32	39	58	60	44	54	58	55	33	40	....	....	....	44.1
	Miuimum	5	11	10	13	22	17	32	32	30	34	28	28	32	31	34	30	24	15	12	24	35	38	37	29	30	32	27	29	....	....	....	25.8
Petersburg	Maximum	26	29	33	35	38	41	46	41	45	66	64	60	57	48	69	67	53	35	34	37	38	62	62	53	56	56	52	42	....	....	....	48.0
	Minimum	13	16	10	7	33	15	20	30	27	30	32	24	32	30	24	50	28	18	12	11	30	31	37	33	25	33	39	25	....	....	....	25.5
Pickens	Maximum	9	14	22	40	39	35	46	34	44	55	46	50	54	52	64	55	34	30	32	34	46	58	40	42	46	56	50	45	....	....	....	41.9
	Minimum	−6	0	−5	−2	14	14	19	19	19	29	20	15	20	21	23	20	22	12	1	25	28	30	1	20	22	35	20	13	....	....	....	16.0
Point Pleasant	Maximum	22	26	29	38	44	35	44	44	45	59	49	55	55	55	73	71	45	33	34	42	62	62	50	53	60	61	53	40	....	....	....	47.8
	Minimum	4	8	7	15	30	21	30	34	31	32	31	25	41	32	32	38	30	14	13	23	36	50	35	27	29	43	29	30	....	....	....	27.5
Rainelle	Maximum	16	24	33	30	29	35	45	43	46	58	45	53	49	49	70	66	43	33	40	46	43	56	53	49	55	56	59	47	....	....	....	45.4
	Minimum	−1	−2	−3	6	25	18	26	27	25	27	26	17	36	29	26	37	28	19	13	22	35	36	30	27	20	43	30	29	....	....	....	23.2
Spencer [3]	Maximum	19	25	29	47	36	35	45	38	50	62	44	56	61	47	75	45	32	34	37	50	58	63	45	54	63	54	34	44	....	....	....	45.8
	Minimum	−1	2	4	8	15	19	29	30	29	35	28	21	39	29	28	41	28	6	5	20	37	39	35	22	22	43	28	29	....	....	....	23.9
Summersville	Maximum	14	22	45	31	30	37	50	35	43	60	44	56	54	46	72	48	31	33	36	45	55	60	48	49	55	49	45	40	....	....	....	44.0
	Minimum	−2	−6	−6	22	6	16	18	26	25	26	28	17	19	28	24	28	27	18	7	19	28	39	31	25	20	38	30	35	....	....	....	20.9
Sutton	Maximum	20	25	30	34	36	37	45	45	48	65	65	58	58	55	76	76	48	38	38	46	54	62	62	54	63	63	52	43	....	....	....	49.9
	Minimum	7	9	4	9	32	20	30	30	30	29	32	20	39	33	26	40	29	16	7	21	35	33	32	30	22	38	31	29	....	....	....	25.5
Wardensville [3]	Maximum	23	29	33	45	37	38	47	38	48	63	47	58	41	47	68	54	34	36	36	42	34	61	47	51	55	61	48	43	....	....	....	45.1
	Minimum	9	12	14	5	24	13	15	18	29	24	22	19	18	32	24	27	27	17	8	7	19	30	33	32	23	29	41	41	....	....	....	21.1
Weston	Maximum	20	21	30	46	45	44	46	38	48	64	47	58	59	49	75	56	40	33	35	50	62	64	48	52	61	55	48	38	....	....	....	47.6
	Minimum	8	15	9	8	33	20	33	34	30	46	36	26	42	39	29	40	29	19	8	20	36	48	38	31	24	48	32	29	....	....	....	28.9
Wheeling [3]	Maximum	22	22	30	40	31	45	40	38	88	56	37	50	40	45	70	43	33	33	33	40	50	59	42	51	56	55	30	39	....	....	....	41.7
	Minimum	7	10	18	10	27	15	15	30	28	28	30	28	35	29	29	28	30	19	20	20	26	32	34	29	28	29	28	24	....	....	....	24.5
Williamson [3]	Maximum	40	35	38	50	37	39	66	40	56	69	55	62	66	67	79	49	37	44	56	58	69	65	53	60	68	71	44	53	....	....	....	54.5
	Minimum	7	6	8	15	35	28	28	30	32	30	29	24	33	40	31	84	35	26	22	22	34	46	41	29	27	29	34	35	....	....	....	28.2

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. • Included in the next measurement.

551.05
UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIII MARCH 1945 NO. 3

GENERAL SUMMARY

March was abnormally warm. The mean temperature, 52.1°, was the second highest of record, being exceeded only by the record mean temperature of 52.7° in 1921. No zero or lower readings were recorded.

Precipitation averaged 0.64 inch above normal. However, the distribution was very uneven; the northeastern panhandle division being only 88 percent of normal, while the northern division was 131 percent and the southern division, 103 percent. The heaviest amounts, ranging from 6.00 inches to 8.03 inches, accrued in the northwestern part of the State. Snowfall was unusually light. The greatest number of snow-lying days was four at Thomas.

A major flood occurred in the Ohio River from Chester to Kenova on the 7-9th. The damage was moderately heavy. Lesser rises preceded this flood and a minor rise occurred on the 23d-24th. The river was at or above flood stages at various points, principally at and below Williamstown from the 1st to the 13th and at scattered points on the 23d-24th. At Parkersburg, there were four flood crests during the month; two more than had ever been recorded in a single month, while the stage of 48.5 feet, on the 9th, was the seventh highest stage of record.

March was an extremely good growing month. Abundant precipitation and warm days made wheat, rye, barley and the grasses grow at a phenomenal rate. Fruit trees budded rapidly; the full-bloom stage was passed by peaches, and the center buds of early blooming apples were open by the end of the month. Although in places, the ground was too wet to work most of the time, yet on the lighter, well-drained soils much plowing and planting of oats, potatoes, meadow grasses and gardens were carried forward. The season was about three weeks ahead of normal at the close of the month.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 70 stations, was 52.1°, or 9.6° above the normal. The mean for the northeastern panhandle division was 52.0°; for the northern division, 51.0°; and for the southern division, 53.2°. The highest monthly mean was 57.0° at Huntington and the lowest, 44.7° at Pickens. The highest temperature was 91° at Fairmont on the 25th and Great Cacapon on the 28th, and the lowest, 12° at Pickens on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 127 stations, was 4.58 inches, or 0.64 inch above the normal. In the northeastern panhandle division, the average was 2.71 inches; in the northern division, 5.36 inches; and in the southern division, 4.25 inches. The greatest monthly precipitation was 8.03 inches at Dam 13, O.R., and the least, 1.45 inches at Brandywine. The greatest amount in any 24 consecutive hours was 2.44 inches at Wellsburg on the 6th. The average monthly snowfall was 1.2 inches, or 4.8 inches below the normal. The greatest monthly snowfall was 8.0 inches at Canaan Valley. The average number of days with .01 inch or more of precipitation was 12.

Harry A. Darnall

Mr. Harry A. Darnall, cooperative observer at Buckhannon, W. Va., from April 1, 1905 until December 10, 1944, when ill health compelled him to resign, died March 1, 1945. Mr. Darnall was born July 12, 1859. During the course of his active life he had served his community as Mayor, Councilman, Postmaster, and Superintendent of Schools. His records for forty years are a lasting tribute to his public service and a well-rounded climatological history of his community.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	..	3	4	1	7	4	4	5	6	3	28	2	11	1	4	6	4	3	2	2	2	1	9	2	16	2	..	2	5
Frosts killing	..	..	..	..	..	..	..	..	2	..	1	..	..	2	1	..	..	..	..	..	..	1	8	..	..	..	..	1	..	..	..
Gales	5	3	5	2	1	7	6	1	..	7	1	..	..	..	1	3	3	..	6	3	1	4	5	1	2	2	2	2	11	1	17
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	..	..
Halos, luuar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	3	10	2	..	..	..	..	..	..	..	..	..	..	17	4	23	3	3	1	1	..	..	..	..	..	21	6	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.43	1	29.46	31	8.0	25	sw.	31	85	62	64	57	347
Columbus, Ohio	30.41	1	29.45	31	10.4	48	sw.	17	84	67	69	57	432
Elkins	30.43	1	29.43	21	7.8	36	w.	17	85	58	69	55	467
Huntington Airp't.	30.44	1	29.50	6	.....	26	w.	31	86	59	65	....	359
Parkersburg	30.45	1	29.51	6	6.6	25	w.	31	79	57	65	47	374
Petersburg, W. Va.	30.41	1	29.35	21	.....	28	sw.	31	82	48	59	....	368
Pittsburgh, Pa	30.35	18	29.41	21	10.4	44	w.	31	77	56	61	56	447

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	34.9	.....	.....	5.52	5.24	5.46	4.91	.....	.....	.....	.....	.....
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	.....	.....	.....	.....
1893	40.7	84	3	0.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	0.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	0.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	0.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	94	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	0.49	0.40	0.79	0.55	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	34.4	63	7	0.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	6.58	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	0.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	0.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	52.7	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	−18	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	0.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	0.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
1942	44.1	89	0	3.49	3.51	3.87	3.64	15.5	12	9	10	12
1943	40.0	85	−17	3.13	4.57	5.28	4.59	6.5	12	12	8	11
1944	40.2	87	−14	4.73	5.60	4.94	5.21	4.4	15	10	7	14
1945	52.1	91	12	2.71	5.36	4.25	4.58	1.2	12	12	9	10
Period	42.5	94	−18	3.07	4.09	4.13	3.94	6.0	12	11	7	13

Climatological Data for March 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	46.6	+8.9	78	16†	18	9	4.31	−0.20	1.82	6	4.0	9	14	11	6	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	50.6	+9.2	85	19	17	13	1.45	−1.02	0.43	27	1.0	7	21	1	9	s.	E. L. Keister
Great Cacapon	Morgan	500	1	53.1	....	91	28	23	13	3.08	.....	1.00	21	0	11	14	10	7	n.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	2.41	−0.64	0.61	7	0.3	14	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	54.3	.....	90	29	21	1	1.48	.....	0.40	21	0	8	15	9	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	54.0	+12.0	88	29	27	1	1.90	−1.42	0.85	7	0	10	13	10	8	se.	University Exper. Station
Martinsburg	Berkeley	435	53	52.0	+10.4	87	29	29	1†	1.99	−1.27	0.68	6	0	12	7	7	17	sw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	51.2	+10.2	90	19	18	9	2.83	+0.24	1.13	29	1.0	10	13	8	10	w.	R. E. Saville
Petersburg	Grant	1,029	6	54.5	.....	89	19	23	9	2.50	.....	0.88	30	T.	13	6	15	10	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	52.0	+10.8	85	19†	27	10†	2.80	−0.18	0.72	7	T	11	13	10	8	w.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	4.27	+0.92	1.20	3	3.0	10	7	11	13	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	27	51.2	+9.3	85	19†	22	13	2.79	+0.59	0.67	6	.....	11	....	....	....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	....	.....	.....	.....	.....	4.32	+0.53	1.22	6	1.5	11	5	15	11	.....	L. Esie Bond
Benson	Harrison	1,080	20	51.2	+10.9	86	25	20	9†	6.37	+2.91	1.35	7	.....	13	12	10	9	.....	R. D. Marts
Bens Run	Pleasants	652	44	50.8	+7.3	81	28	26	9	6.30	+2.26	1.88	6	.....	12	20	6	5	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	48.4	.....	81	25	16	13	5.42	.....	1.10	22	.....	9	....	.....	.....	.....	James 1. Galloway
Brownsville	Lewis	1,032	21	53.0	+11.1	90	25	20	11	3.11	−0.36	1.00	21	.....	8	14	10	7	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	52.2	+10.3	82	25	24	11	4.72	+0.21	1.28	6	2.0	13	13	9	9	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	52.5	+8.2	89	26	21	9	5.32	+1.50	1.16	6	.....	14	7	16	8	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	47.6	.....	78	28	17	13	4.59	.....	.....	.....	8.0	13	8	17	6	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	49.8	+10.1	85	25	22	9	5.41	+2.39	1.42	7	T.	10	13	7	11	sw.	Clarksburg Water Board
Creston	Wirt	640	44	53.6	+9.6	87	25†	23	9	5.48	+1.38	1.43	3	.....	12	7	16	8	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	48.8	.....	80	16†	25	12	5.83	+2.06	1.42	7	T	14	16	7	8	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	8.03	+4.60	1.84	6	.....	13	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	5.26	+2.12	1.40	22	.....	10	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	5.57	+2.03	1.50	7	T.	15	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	6.57	+2.86	1.60	7	T.	15	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	6.48	+2.73	1.40	7	.....	12	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	50.0	+11.0	83	25	22	13	4.50	+0.70	1.22	22	3.2	13	7	9	15	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	53.2	+11.7	91	25	24	9†	5.04	+1.07	1.20	22	0.8	12	13	9	9	w.	J. C. Robinson
Glenville	Gilmer	738	57	55.3	+10.6	89	25	25	11	6.53	+2.24	1.66	6	....	12	18	10	3	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	51.5	+10.0	90	26	22	23	6.30	+2.54	1.12	22	2.0	13	17	5	9	.....	L. W. Clayton
Grantsville	Calhoun	760	1	55.2	.....	90	19	24	9	5.80	.....	1.60	5	.....	11	.....	.....	.....	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	50.4	.....	82	25	22	11	5.35	.....	1.82	6	0.1	13	9	8	14	s.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	6.54	.....	1.56	21	T.	14	14	6	11	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	4.46	+1.20	1.67	6	T.	10	.....	.....	.....	.....	Mrs. Garnett Golden
Mannington, 1½ mi. NW	Marion	974	43	50.4	+8.1	86	25	18	9	5.93	+1.90	1.69	6	2.3	15	12	6	13	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	4	51.6	.....	87	25	19	9	6.00	.....	1.47	3	.....	12	16	3	12	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	52.5	+10.4	84	25	23	11	4.26	+0.87	1.55	6	.....	13	16	8	7	w.	State Dairy Farm
New Cumberland	Hancock	671	50	47.8	+8.4	84	25	19	11	6.26	+3.02	1.97	6	.....	14	15	4	12	se.	C. O. Valentine
New Martinsville	Wetzel	637	52	52.8	+9.5	89	25	24	9†	6.71	+2.92	1.85	6	.....	12	13	9	9	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	53.8	+11.0	86	25	27	9	5.12	+1.63	1.87	6	T.	12	11	8	12	se.	Section Center
Parsons	Tucker	1,649	46	50.9	+10.4	83	19†	24	11	5.00	+0.79	1.37	3	2.0	17	.....	.....	.....	.....	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	5.36	+1.22	1.54	22	1.7	13	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	44.7	+5.5	79	29	12	12	5.75	−0.16	1.25	21	5.0	16	11	8	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	3.28	−0.34	1.21	6	T.	7	13	10	8	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	51.3	.....	85	25	26	11†	7.48	+2.63	1.83	7	2.0	13	8	6	17	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	5.77	+1.85	1.55	7	.....	13	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	6.10	+0.99	1.59	7	5.0	15	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	53.4	+10.9	89	25	21	9	5.70	+2.01	1.49	6	T.	13	9	10	12	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	49.7	+9.9	84	26	19	8	7.11	+3.92	2.44	6	4.0	14	15	5	11	.....	George F. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	5.76	+2.22	1.50	6	.....	13	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	55.1	+11.3	90	25	26	11	5.31	+1.03	1.47	7	1.5	13	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	49.8	+9.3	85	25	25	9	7.56	+4.28	1.69	6	2.9	13	17	3	11	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	2.68	−1.13	0.72	2	1.5	8	9	15	7	w.	H. S. Sutton
Athens	Mercer	2,600	5	52.5	.....	78	19	25	9†	2.79	.....	1.35	5	T.	14	13	10	8	nw.	Concord College
Bluefield	Mercer	2,558	50	55.3	+10.9	78	19†	26	1	3.10	−0.02	0.84	21	1.8	14	16	5	10	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	54.6	+7.2	89	25	28	9†	3.53	−0.97	1.07	3	0	11	13	9	9	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	54.6	.....	89	25	26	9†	3.84	.....	1.14	3	T.	9	8	9	14	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	46.1	.....	79	19	15	13	4.62	.....	1.15	2	1.0	14	10	12	9	w.	Department of Justice
Flat Top	Mercer	3,235	7	48.8	.....	75	19†	21	11	3.55	.....	1.07	5	0.4	13	9	9	13	nw.	U. S. Airway Station
Gary	McDowell	1,426	28	53.8	+11.3	82	19†	26	11	3.78	−0.38	1.06	6	T.	15	15	10	6	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	53.2	.....	87	25	25	9	5.24	.....	1.43	6	0	13	8	7	16	w.	State Forest Nursery
Hamlin	Lincoln	641	2	52.0	.....	88	25	24	11	4.84	...	1.27	3	0	10	17	6	8	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	53.8	+9.7	90	28	25	10†	3.27	−0.63	0.80	6	0	14	.....	.....	.....	.....	Mrs. M. L.McClung
Huntington	Cabell	571	49	57.0	+12.0	90	25	29	9	5.08	+0.86	1.62	22	1.5	13	9	7	15	w.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	4.58	−0.06	1.63	3	0	6	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	James B. Stuart
Logan	Logan	700	32	56.0	+8.9	90	25	30	10†	4.80	+0.08	0.91	3	T	12	11	7	13	.....	Paul A. Simouds
London Locks	Kanawha	623	10	55.8	.....	86	28	29	9†	4.55	.....	1.41	22	0	12	..	.....	.....	e.	Lockmaster
Madison	Boone	675	24	54.6	+11.9	88	20†	27	11	4.91	+0.73	1.04	3	0	12	13	9	9	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	51.0	.....	81	19	25	9†	3.93	.....	1.20	21	2.0	14	11	7	13	.....	M. H. Martin
Pineville	Wyoming	1,350	3	56.0	.....	88	19†	25	11	4.15	.....	0.92	6	T.	13	14	8	9	.....	Charles Dameron
Point Pleasant	Mason	595	55	55.0	+9.8	88	25†	29	9†	6.50	+2.41	2.12	7	T.	11	12	2	17	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	14	50.0	+10.7	81	19†	22	10	4.06	−1.49	0.99	2	T.	13	15	4	12	.....	L. G. Swiug
Ravenswood (Dam 22)	Jackson	584	30	50.8	+7.5	83	19	27	11	5.48	+1.59	1.62	7	0	13	8	9	14	sw.	Lockmaster
Richwood	Nicholas	2,193	14	54.2	+13.4	78	13†	23	1	4.24	−1.26	1.78	22	0	6	14	10	7	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	54.9	.....	87	25	23	9	5.15	.....	1.53	6	0	9	13	6	12	sw.	Pfost Greenhouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	46.9	.....	80	19	13	13	3.29	.....	0.87	21	4.0	10	11	10	10	w.	Supt., State Forest
Spencer	Roane	789	46	53.8	+10.9	87	25	21	9	5.46	+1.39	1.33	7	T.	11	8	10	13	.....	A. M. McKown
Summersville	Nicholas	1,900	9	50.1	.....	83	19	20	11	4.95	.....	1.40	3	0	8	14	6	11	.....	A. E. Dorsey
Sutton	Braxton	850	42	53.8	+9.6	86	25†	21	10	2.24	−2.10	0.67	2	T.	7	20	10	1	.....	C. B. Eakle
Union	Monroe	2,200	41	50.2	+6.8	82	19	22	11†	3.69	+0.14	0.80	5	1.0	11	....	.	.....	.....	C. B. King
Webster Springs	Webster	1,500	13	55.0	....	86	19	26	11†	4.06	.....	1.06	21	2.0	9	12	11	8	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	53.4	+10.8	87	20	22	10†	3.95	+0.38	1.15	21	1.5	12	9	14	8	.....	Ashford General Hospital
Williamson	Mingo	673	44	56.7	+10.0	90	25	29	11†	4.45	−0.09	1.00	6	0	12	13	8	10	.....	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	53.6	.....	87	25	27	10	4.90	.....	1.46	21	0	13	10	8	13	sw.	Lockmaster
State averages and extremes		.....	....	52.1	+9.6	91	25†	12	12	4.58	+0.64	2.44	6	1.2	12	12	9	10	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for March 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.15	.99		T	1.82	T.			T.						T.	.09		.25	T.	.53	.34					.03		.11		T.	4.31
Brandywine	do		.10					.27																									
Brushy Run[2]	do	.52		.15		.07	.07	.20														.39	.11				.03	.40		.15			1.45
Harpers Ferry[2]	do	.34		.20	.02		.10	.61	.03			.08							.10	.09		.05	.23	.11				.23		.04	.22		1.83
Inwood	do			.15			.30	.12										.34				.40	.03				.10		.07		.42	.02	2.41
Kearneysville	do		.06	.07			.40	.45			T.							.30				.21	.04				.07		.07	T.		1.48
Knobly Mountain[2]†	do	.55		.15			.26	.56				T.							.11	T.	.18	T.	.31	.12				.10		.22	.05		1.90
McNeill†	do		.07	.10		T	.20	.32			.03					.01		.42	T.		T.	.07	.27				.11		.21	.02	T.		1.99
Petersburg	do		.02	.11		.03	.17	.60			T.			T.				.05		.03	T.	.35	.26					1.13	.32				2.83
Piedmont	do	.03		.26			.44	.72										.07		.03	T.	.34	.01				.16		.07	.88	.01		2.50
Romney	do																	.12		.11		.14	.60	T.			.21			.15	.02		2.80
Spruce Knob[2]†	do	.34		.74	.28	.13	.32	.38	T.		T.						T.																
Stony River Dam[2]†	do	.75		1.20			.60													T.		.37	.28	.07			.62		.24	T.		3.77
Wardensville[2]	do	.64		.15			.09	.67	.01					.25					.10			.25	.62				.30			.15	.05		4.27
Northern Division																						.10	.38	.05			.02			.16	.52		2.79
Aberdeen†	West Fork		.48	.74		T	1.22	.23			T.			T.			T.	.09	.02	.06	T.	.93	.45										
Bellington[2]	Tygart	.68		1.18	.08		.24	.93	.03	T.		T.		01			T.		.13	.03		.19	1.33	.06						T.	.06	.04	4.32
Benson†	West Fork			.42	.95		.08	1.35	.63									.15	.08	.44	.02	1.30	.30				.05				.06		5.00
Bens Run	Ohio		.82	.79		.02	1.88	.14					T.			T.		.07		.25	.22	1.35	.12							.58	.06		6.37
Big Skin Creek†	West Fork	.08	.87	.52		T.	1.28	.02									.02	.20		.02		.30	.75								.60	.05	6.30
Brandonville[2]	Cheat		.34	1.05			.89	.75	.02					T.			T.	T.		.22	T.	.48	1.10								.01	.05	4.12
Brownsville†	West Fork		.63	.75				.26																							.57		5 42
Buckhannon	Tygart		.62	.82		.02	1.28	.07	T.		T.			.01			T.	.30		.03	.02	.88	.56			T.			T.	.09	.02		4.72
Cairo	Litl.Kanawha		.50	.94		.06	1.16	.50										.06	.12	.38	.02	.80	.35							.19	.18	.06	5.32
Canaan Valley	Cheat		.50	.88		.05	*	.80	T.									.28		.07		*	1.17										
Clarksburg[2]	West Fork	.32	.06	1.16			.24	1.42	T.										.12		.40	.23	1.12				.30		.28	.06	.20		4.59
Crawford	do		.81	.48		T	1.05	.04	T.									.18		.03	.02	.84	.35								.34		5.41
Creston[2]	Litl.Kanawha	.18		1.43	.03		.65	1.40						T.			.02		.29	.10	T.	.22	.90								.05	.02	3.87
Dailey 2†	Tygart	.98		.95	.01		.10	.44	.02		T.			T.				T.	.10	.02		.15	.98	.03			.09				.20	.06	5.48
Dam 10, Mon. R. 2†	Monongahela.	24		1.11	.05		.40	1.42	.01			T.		.03			T.		.02	.13	.24	.36	1.30	.02							.35	T.	4.25
Dam 13, O. R. 2†	Ohio	07		1.63	.05		1.84	1 38						.06			.05	.06	.12	.40	.41	.18	1.38							.50	T.	5.83
Dam 15, Mon. R. 2†	Monongahela	.31		1.09	.07		.30	1.10	T.					T.					T.	.10	.13	.23	1.40							.40		8.03
Dam 19, O. R. 2†	Ohio	.25	.08	1.05	.05		.50	1.50	T.			T.		T.	T.		.04		.15	.13	.17	.11	1.02							.53		5.26
Dam 20, O. R. 2†	do		.36	1.23	.05		.58	1.60	.03					T.			.05		.15	.18	.17	.18	1.44				.04			.46	.02	5.57
Elizabeth (Dam 3)[2]	Litl.Kanawha		.10	1.40	.05		.55	1.40									.05	.25		.56		.38	1.15				.10			.40	.05	6.57
Elk†	West Fork		.98	.38		.08	1.48	.20									.05													.51	.08	6.48
Elkins 1†	Tygart	T.	.94	.18		.12	.66	T.	T.		T.	T.	.01					.42	.28		.26	.30	.90							.11	.06	5.45
Fairmont[2]	Monongahela.	.19	.12	1.00			.59	.88	T.						T.	T.		.45		.03	T.	1.00	.40				.03	T.		.36	.29	.03	4.50
Glenville[2]	Litl.Kanawha	.67	.04	1.42	.05		.33	1.66									T.			.26	.10	.32	1.20								.30	04	5.04
Grafton	Tygart		.66	.52			1.11	.67									.05		.30	.10		.61	1.10								.20		6.53
Grantsville	Litl.Kanawha		.70	.70		.10	1.60	.20						.04					.07	.59		.86	1.12	.01						.01	.61	.03	6.30
Hackers Creek †	West Fork		1.02			.71	1.61	.32										.30		.10	.10	.90	.20								.90		5.80
Hall[2]	Tygart	.66	T.	1.19	.09		.28	1.19	T.	T.							T.	.30	.29			1.01									.45	.09	5.80
Harrison Co. Arpt. 4	West Fork		.93	.25		.20	1.82	.01					T.			.01		.11		.27	.04		.27	1.43	.04			T.			.11		5.57
Hastings	Ohio	.01	.45	1.30		.01	1.40	.60										.08		.30	.02	1.15	.09							.45		.01	5.35
Horner	West Fork		.43	.50		.10	1.15											.14	.10	.22	.05	1.56	.36							.03	.44	.03	6.54
Ireland	do		.32	.10	03	.36	.10	.20	.75	.21										.05		.66											3.13
Jane Lew	do	.03	.82	.68			1.67	.44	.03									.20	T.			.27	.05				.21	.08	T.		.06	.05		2.47
Kumbrabow St. For.†	Tygart	.05	.63	1.05		.32	.38	.28	10			.02																					4.46
Mannington	Monongahela.	.01	.62	.85			1.69	.14	.01		.02						.11	.18				1.40	.51							.27			5.24
Middlebourne[2]	Middle Is.Creek		T.	1.47			.94	1.14				.03					.03	.03		.23	.27	1.12	.22				.18	.09		.55			5.98
Midvale 2†	Tygart			.64	.10		.15	.97	.09	.04			.04				.03		.07	.14	.18	.29	1.43								.25	.02	6.00
Morgantown	Monongahela.		.38	.10			1.55	.28				.02	.04				.07		.11	.10		.31	1 20	.11						.55		.13	5.93
Mt. Clare	West Fork		.71				2.25	.22									.01	.02		.19	.13	1.00	.49				T.				.11		6.00
New Cumberland	Ohio		.10	.70	.01	T.	1 97											.20			.15	1.00								.05			4.00
New Martinsville	do		.95	1.02			1.85	.25					.24				.07	.38	T.	.46	.83	.54	.50	T.							.88	T.		4.26
Parkersburg 1†	do		.84	.20		.19	1.74	T.			T.		T.			T		.03		.40	.14	1.22	.11							.20	.17	.09	5.41
Parsons	Cheat	T.	.49	.93		T.	.96	.29	.01			T.		.04				.13	.03	.33	.04	1.12					T.			.60	.09	.05	6.26
Philippi[2]	Tygart	.57	.02	1.24	.01		.25	1.24	T.	T.	T.		T.				.06	.34	.02	.05	.02	1.03	.34							.41	T.	.05	6.71
Pickens	do		1.11	.09		.34	.55	.05		T.	T.						T.		.09	.07		.22	1.54	.03			.15		.03	.05	.22	5.12
Roanoke	West Fork		.80				1.07	.14																									5.00
Rockford †	do		.60	.62		.04	1.75	.08	T.								.15	.20		.10	.05	1.25	.20				.02			.03			5.36
Rowlesburg[2]	Cheat	.48	T.	1.52	T.		.55	1.83	.16									.19	.06				.75	.27				.14		.56	.16	.13	5.75
Saint Marys[2]	Ohio	.24	.03	1.40			.49	1.55					.02					.29		.27	T.	.97	T.										3.28
Salem	West Fork		.74	.67			1.54	.26	T.				.14						.24	.09	.45	.19	1.39	T.						.60			5.27
Shinnston	do		.75	.07			1.35	T.					.02				.08		.07	.19	.22	T.	1.13				.10				.34	T.	7.48
Thomas[2]	Cheat	.75		1.55	.25		.05	1.59	T.		T.	T.	T.	.03			.05	.07			*	1.40	.15				T.			.32	.03	5.77
Valley Chapel	West Fork	T.	.51	.88		.04	1.49	.51	.01										T.	1.05		1.25								.75	.06	.03	5.67
Valley Head[2]	Tygart	.91		1.13	24		.26	.13			T.	T.		T.			.05		.26	.06		.12	1.11	.10			.05			.40			4.87
Vandalia†	West Fork						1.01	.07										.23	.05	.18	T.	.99	.26						T.	.48	.03	.10	6.10
Wellsburg (near)	Ohio		.23	.78			2.44	.55										.18				.21	.98	T.			.15			.12	.07		5.70
West Milford	West Fork		.46	.82		.05	1.50	.42					.18				.09	.07		.43	.52	.63	.24								.28		4.51
Weston[2]	do	.56		1.12	.25		.24	1.47	.05									.14	.02	.38	.02	.78	.70										2.16
Wheeling (Dam 12)[2]	Ohio	.06	T.	1.12	.04		1.69	1.51					T.				.06		.18	.08		.83	.31							.16	.08	.10	7.11
Southern Division													.18				.09	T.	.15	.51	.55	.20	.98	.05							.71	.10	5.76
Alderson	Greenbrier	.48	.20	.57	.15	.10	.92	.20	.30														1.14								.07		5.31
Arbovale	do	T.	.72	T.		.50	.03	T.			T.							T.			T.	.65	.15							.32		7.56
Athens	New		.06	.11	.07	1.35	.05	.03	T	.01		T.																					
Bluefield	New		.04	.22		.83		.46		.01			T.				.12	.08	T.		T.	.75	.02				.36			T.	.19	.08	2.68
Camden-on-Gauley[2]	Gauley	.15	.20	1.28	.04	.04	.42	.24	.01			.01	.07				.15			.15		.84	.08				.05	.07			.02	T.		2.79
Charleston	Gr. Kanawha	.01	.24	1.07	T.	.06	.33	.35											.07			.56	.94				.14	.06			.04			3.10
Charleston (Airport)[4]	do		1.11	.25	T	.44	.42	.01	T									T.	.35	T.		.23	.67					.05			.16	.02	4.18
Flat Top[4]	New		.40	.14	.05	1.07	.33	T.	T.						T.			.43	.02	T.	T.	1.08					.06				.16	T.	3.53
Gary[2]	Big Sandy	.01	.05	.11	.20	.35	1.06	.09	.01			T.			T.	.07		.10	.02		.01	.90	T.				.08			T.	T.	T.	3.84
Greenbottom†	Ohio		1.07	.48		.19	1.43											.10	.17	.32	T.	.40	.54				.09			.24	.13		3.55
Hinton[2]	New	.12	.35	.32	.08	.02	.80	.21	.04									.03	.29		.04	.03	.83	.44				.14					.14	3.78
Hogsett[2]	Ohio	.22	.12	1.05	.03	T.	.23	1.60										.02	T.	.17			.50	.39					.23					5.24
Huntington	do		1.18	.26		.40	.97	T.	T.									.03		.30	.02	.32	1.35							.19	.08		3.27
Kayford[2]	Gr. Kanawha			1.63			.95	.35								.02				.06	.04	1.26	.36				.17			.12			5.54
Lewisburg	Greenbrier																						1.25								.19	.03	5.08
Logan[2]	Guyandot	.16	.45	.91	.13	.18	.85	.27	T.									.25															.15	4.58
London Locks[2]†	Gr. Kanawha.	.20	.18	1.13	.13	T	.70	.30	.03				T.				.05	T.	.44			.41	.70				.25			T.	T.		4.80
Madison[2]	Coal	.07	.53	1.04		.17	.66	.42	.05										.34			.30	1.11				.03				.10		4.55
Oak Hill[2]	New		.65	.15	.12	.77		.26		.05							.03	.15	.50	T.		.47	.70				.21			.09			4.91
Pinevlle[2]	Guyandot		.14	.19	.05	.27	.92	.65									.05		.15		T	.38	.57				.14			.25	.39		4.15
Point Pleasant[2]	Ohio		.40	1.19	T.	T.	.51	2.12							T.	.02		.31	.12	T	.39	1.11			T.	T.	T.			.31	.02		6.50
Princeton[2]	New	T.	.09	.02	.19	1.03	.02	T.	T.				.02			.02		.10	T.		.25	.23					12						2.09
Ravenswood[2]	Ohio	.30	.10	1.25	.03		.37	1.62					T.				.05	.16				.84	.08			.05	.10		.18	.24			4.06
Richwood[2]	Gauley	.06	.27	1.22			.71						T.						.20	.15		.20	.88				.06			.26	.06		5.48
																							1.78				.20						4.24

Continued on next page.

Daily Precipitation for March 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	....	1.03	.40	...	T.	1.53	....	....	....	....	....	....	....	....	....	.50	....	....	....	....	1.03	.35	....	....	....	.09	....	....	.15	.07	T.	5.15
Ryan	Gr. Kanawha	...	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.17	....	....	....	.87	.21	....	....	....	....	....	....	....	.45	.02	3.29
Seneca State Forest†	Greenbrier	....	.72	.10	....	.71	.02	.02	....	....	....	....	....	....	....	....	T.	....	.31	.08	....	.32	1.05	....	....	....	....	....	....	....	.40	.04	5.46
Spencer[2]	Litl.Kanawha	.26	.30	1.16	....	....	.21	1.33	....	....	....	....	....	....	....	....	....	.15	....	....	.60	1.10	....	....	....	....	....	....	....	.30	...	4.95
Summersville[2]	Gauley	....	.55	1.40	....	...	.60	.25	....	....	....	....	....	....	....	....	....	T.	....	....	....	....	T.	....	....	....	....	....	....	....	.10	.05	2.24
Sutton	Elk	....	.67	.62	....	.20	.40	.20	....	....	....	....	....	....	....	....	.05	.15	....	....	....	.45	.65	....	....	....	....	.55	....	....	.07	.09	3.69
Union[2]	New	.10	....	.60	.18	...	.80	....	....	....	....	....	....	....	....	....	....	1.18	....	....	....	.63	.90	....	....	....	....	.21	....	....	.14	.08	5.82
Wayne[2]	Twelvepole	....	.60	.98	.03	.14	.43	.50	....	....	....	....	....	....	....	T.	.10	....	....	T.	1.06	.65	....	....	....	....	.15	....	.05	....	T.	4.06
Webster Springs	Elk	....	.98	.45	....	.43	.19	T.	....	....	....	....	....	....	....	T.	.35	.02	....	....	1.15	.10	....	....	....	....	.32	....	....	.26	....	3.95
White Sulp'r Spgs.	Greenbrier	T.	.70	.22	.04	.72	.04	.03	....	....	....	....	....	....	....	....	....	.53	....	....	.27	.84	....	....	....	....	.19	....	....	....	....	....	4.45
Williamson[2]	Big Sandy	.48	.11	.45	.11	.20	1.00	.26	.01	T.	....	....	....	....	....	....	....	.32	.04	....	.43	1.03	....	....	....	....	12	....	....	.02	.04	4.90
Winfield Locks[2]†	Gr. Kanawha	.28	.12	1.26	.06	....	.30	.88	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for March 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	38	47	59	57	54	62	53	33	41	47	42	58	54	64	69	78	72	70	78	76	58	36	58	68	76	77	70	77	77	72	74	61.1
	Minimum	23	22	45	32	26	45	30	24	18	24	22	20	19	28	28	44	39	36	36	42	33	27	29	37	28	31	43	30	36	55	43	32.1
Beckley	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Bluefield	Maximum	54	60	63	*60*	60	72	70	50	49	52	*56*	57	63	65	71	74	76	75	78	78	65	47	65	66	76	77	73	76	77	77	71	66.0
	Minimum	26	38	52	*46*	43	46	38	32	28	32	29	*38*	38	44	42	57	59	*52*	52	56	41	28	36	54	53	*55*	46	50	57	53	61	44.6
Brandywine	Maximum	50	58	67	61	63	57	60	51	52	56	54	56	64	68	71	83	82	72	85	82	69	59	65	75	80	75	76	81	82	81	78	68.2
	Minimum	22	25	34	35	38	40	36	29	18	21	19	27	17	25	29	41	42	43	41	44	45	27	22	24	28	34	40	42	41	52	42	33.0
Buckhannon	Maximum	44	51	62	55	65	65	55	36	45	52	47	63	56	69	74	80	78	71	81	77	64	49	65	70	82	80	75	79	79	67	73	64 8
	Minimum	29	31	50	37	35	50	35	30	28	30	24	30	25	30	38	59	52	43	52	48	40	32	30	35	39	47	46	42	47	59	52	39.5
Cairo	Maximum	42	48	61	62	62	68	56	38	47	58	57	65	66	70	76	82	83	66	79	85	72	50	67	76	84	89	79	82	83	80	70	67.8
	Minimum	30	30	48	32	31	53	34	32	21	26	22	28	29	27	34	47	49	37	50	50	42	33	27	32	38	45	42	38	45	51	50	37.2
Charleston (Airport)	Maximum	46	55	65	66	66	69	48	38	52	60	61	65	65	74	78	84	70	81	87	80	61	56	74	80	89	77	84	87	86	70	72	69.2
	Minimum	33	33	44	39	41	48	36	30	26	29	26	29	32	32	40	56	52	47	54	52	34	32	29	43	44	48	44	43	50	52	49	39.9
Clarksburg[3]	Maximum	41	58	62	55	65	60	36	*35*	44	52	49	63	58	70	75	80	74	73	82	75	58	52	67	72	85	79	78	81	82	68	72	64.5
	Minimum	27	28	33	36	33	36	35	30	22	23	23	24	28	27	28	35	49	42	45	50	50	32	30	30	32	38	44	39	39	45	51	35.0
Cranberry Glades	Maximum	46	51	56	59	45	58	61	37	43	49	52	54	59	59	64	73	70	65	79	71	57	40	61	66	74	64	69	73	75	69	65	60.1
	Minimum	20	28	43	36	29	32	28	25	19	24	20	18	15	23	27	53	39	38	48	44	43	24	32	29	31	44	34	28	40	47	43	32.1
Elkins	Maximum	46	60	62	55	62	66	52	35	44	51	50	62	58	67	72	78	75	74	83	78	56	41	63	68	83	76	73	81	80	72	72	64.5
	Minimum	26	28	43	31	31	48	30	29	25	29	23	26	22	26	32	49	47	44	52	45	31	29	28	34	33	48	43	35	44	50	44	35.6
Fairmont[3]	Maximum	48	58	62	59	68	59	37	37	53	55	56	63	61	74	80	86	75	79	87	79	57	52	74	80	91	85	85	86	85	64	73	68.0
	Miuimum	29	30	38	33	33	40	35	29	24	28	24	26	30	29	32	43	53	44	46	55	*52*	32	31	35	40	45	50	44	50	54	52	38.4
Flat Top	Maximum	44	53	58	54	48	66	41	36	45	50	54	52	59	61	70	73	71	64	75	73	52	41	63	66	73	74	75	68	62	59	59.8
	Minimum	22	39	43	42	40	41	29	25	22	30	21	36	26	33	33	53	53	48	54	52	26	22	33	42	50	46	39	37	48	54	35	37.9
Gary[3]	Maximum	50	65	63	63	65	74	46	46	51	57	60	57	67	71	77	80	78	75	82	80	50	51	71	75	82	69	78	81	82	78	72	67.6
	Minimum	32	32	40	49	43	45	43	43	30	28	26	32	33	35	36	39	54	52	49	48	48	32	29	30	40	46	43	41	42	52	52	40.1
Glenville	Maximum	48	59	63	62	70	69	58	39	52	58	69	67	68	73	78	84	83	75	87	86	67	55	72	76	89	88	84	86	85	79	77	71.2
	Miuimum	31	32	50	39	44	51	35	32	33	28	25	29	29	29	35	52	51	41	51	52	40	34	29	35	40	45	43	40	47	57	43	39.4
Grafton	Maximum	47	51	62	62	61	68	54	37	46	53	53	64	63	69	76	82	82	72	82	82	77	45	66	73	87	90	84	82	81	79	74	67.9
	Minimum	25	25	45	32	28	48	30	25	23	24	44	24	23	25	32	53	46	35	43	46	39	27	22	29	35	41	43	36	42	50	49	35.1
Hamlin	Maximum	47	57	63	62	69	69	*46*	*40*	52	58	59	62	63	73	75	85	63	79	86	77	51	55	73	75	88	75	82	85	85	71	71	67.6
	Miuimum	32	34	45	40	38	46	40	33	26	25	24	27	29	29	31	45	49	44	53	50	49	30	28	30	28	49	38	36	35	33	31	36.4
Huntington	Maximum	49	51	64	62	65	70	59	40	54	61	59	65	64	73	79	85	82	79	87	83	70	58	74	75	90	85	83	86	84	73	70	70.3
	Miuimum	32	38	50	39	41	53	39	33	29	34	30	34	32	35	42	56	61	45	56	58	39	34	34	46	45	59	46	47	55	57	54	43.6
Lewisburg	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.....
Logan[3]	Maximum	50	57	67	62	64	77	44	48	55	65	62	60	70	76	80	85	73	77	88	78	53	62	75	80	90	75	83	87	85	83	76	70.5
	Minimum	35	35	42	44	44	43	44	36	32	30	30	31	33	34	35	44	56	55	55	52	52	33	32	32	43	45	45	44	44	52	56	41.5
Madison[3]	Maximum	48	61	65	65	55	59	*46*	*40*	53	59	60	62	67	78	73	84	85	79	85	88	51	57	74	78	88	76	82	85	85	81	74	69.1
	Minimum	34	34	42	42	42	46	40	35	29	30	27	28	29	30	40	56	50	50	50	50	49	30	30	32	41	41	43	42	44	52	59	40.2
Mannington	Maximum	45	50	62	57	64	64	52	36	49	52	53	63	60	70	75	82	76	73	84	76	64	53	70	76	86	79	80	82	81	64	71	66.1
	Minimum	28	25	48	28	28	51	33	29	18	23	19	25	25	24	30	50	46	35	43	48	37	32	24	30	34	41	42	35	42	51	49	34.6
Martinsburg	Maximum	50	56	66	49	44	47	43	46	51	53	50	50	60	68	71	84	81	65	81	82	74	*53*	69	69	72	57	78	83	87	74	79	64.3
	Minimum	29	32	37	31	37	41	29	29	30	32	29	30	29	31	35	50	52	44	51	53	38	38	47	39	40	54	44	51	61	51	41	39.8
Morgantown	Maximum	43	47	61	54	63	64	51	37	46	49	50	61	57	68	74	80	79	72	82	75	62	45	68	74	84	80	77	79	79	63	74	64.5
	Minimum	27	32	40	28	36	49	31	25	24	35	23	33	25	31	44	59	59	39	54	55	35	30	32	44	48	58	54	55	55	48	46	40.5
New Martinsville	Maximum	47	49	62	59	65	61	45	37	49	55	55	62	61	71	75	82	79	75	83	72	64	56	70	77	89	87	82	84	80	65	68	66.6
	Minimum	29	30	48	30	34	43	32	29	24	31	24	29	27	27	35	48	51	40	50	52	35	34	30	35	55	59	55	43	49	51	51	39.0
Parkersburg	Maximum	43	62	64	56	64	67	39	38	50	52	55	58	59	70	73	83	74	73	84	68	63	52	70	73	86	75	80	82	78	66	68	65.3
	Minimum	31	36	40	34	40	39	33	32	27	36	29	32	30	34	44	63	58	45	60	58	33	35	35	44	48	55	53	51	56	51	46	42.2
Petersburg	Maximum	51	59	71	66	57	56	49	45	53	55	54	63	63	72	75	84	84	76	89	87	74	52	70	76	80	80	80	85	82	80	80	69.3
	Minimum	29	28	52	38	33	39	41	33	23	31	26	27	24	27	35	60	48	50	56	47	50	33	38	44	36	39	49	39	45	58	52	39.7
Pickens	Maximum	47	49	52	44	56	57	45	30	34	40	45	54	56	55	56	65	62	72	75	78	54	44	52	65	78	61	74	77	79	72	64	57.8
	Minimum	15	35	40	39	38	42	27	23	16	18	16	12	22	17	22	32	45	35	48	42	34	18	17	29	26	45	41	38	55	54	38	31.6
Point Pleasant	Maximum	44	50	60	57	65	67	57	43	51	54	55	53	57	71	76	82	80	76	83	82	71	54	67	72	88	88	81	84	83	74	67	67.5
	Minimum	33	37	49	35	40	50	37	32	29	37	30	37	29	32	39	56	55	45	51	52	41	34	35	45	45	58	47	47	58	54	54	42.5
Rainelle	Maximum	44	48	62	62	63	70	64	33	46	52	58	57	65	66	68	78	75	71	81	77	64	47	67	71	78	76	78	81	79	75	68	65.3
	Minimum	25	29	42	41	33	40	32	28	25	22	23	24	23	26	32	49	44	42	42	40	38	26	27	30	35	53	39	33	42	50	45	34.8
Spencer[3]	Maximum	45	63	63	62	68	59	*55*	38	51	57	54	65	63	72	76	84	72	78	86	76	54	55	71	81	87	73	81	84	82	68	72	67.6
	Minimum	30	33	49	38	35	55	36	31	21	35	22	28	25	29	33	57	54	40	57	49	52	31	28	37	45	57	43	41	44	49	53	39.9
Summersville	Maximum	45	60	61	60	63	70	*46*	*37*	46	53	55	61	64	67	72	78	75	73	83	77	60	48	68	71	80	71	77	81	82	73	69	65.4
	Minimum	26	40	40	39	35	46	33	29	23	23	20	25	21	22	29	40	46	40	47	42	45	27	24	28	34	47	36	34	39	48	50	34.8
Sutton	Maximum	47	52	65	65	65	65	64	52	51	58	58	60	63	71	77	81	81	76	85	85	71	55	71	73	86	86	80	84	84	77	76	69.8
	Minimum	31	32	40	41	35	42	36	33	24	21	24	27	27	28	45	46	50	45	50	49	44	33	27	33	39	46	42	39	45	54	46	37.9
Wardensville[3]	Maximum	51	61	67	54	52	59	43	45	52	55	52	56	63	70	72	84	82	73	85	83	68	51	68	76	75	76	79	83	85	78	80	67.0
	Minimum	25	25	30	38	27	35	41	30	23	24	26	25	22	25	34	41	45	48	41	44	*51*	34	33	37	33	34	42	37	43	53	48	35.3
Weston	Maximum	50	63	62	58	68	69	64	41	51	55	60	66	60	72	78	83	74	80	85	80	58	54	70	74	90	80	81	85	84	69	75	69.0
	Minimum	28	33	31	41	38	64	38	33	28	30	26	30	29	30	36	64	35	45	54	55	56	33	30	36	40	49	50	44	48	59	65	41.2
Wheeling[3]	Maximum	44	52	59	50	60	55	39	45	46	49	50	50	60	67	73	80	70	73	76	68	58	52	67	78	85	80	77	79	79	65	65	62.9
	Minimum	27	30	40	29	30	35	33	27	25	34	27	27	29	29	28	37	51	39	35	51	47	32	35	38	40	42	47	48	49	51	49	36.8
Williamson[2]	Maximum	50	60	67	67	67	78	*50*	62	56	62	55	57	70	77	80	88	77	82	88	78	51	59	77	81	90	73	84	88	87	85	74	71.9
	Minimum	35	35	42	44	44	50	44	36	30	30	29	29	33	34	37	43	57	54	54	50	49	36	32	32	43	43	44	43	44	53	56	41.5

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—6-13-45—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

S. S. SCHWORM
PARKERSBURG, W. VA.

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VOL. LIII APRIL 1945 No. 4

GENERAL SUMMARY

The mean temperature was 55.5° or 3.7° above normal and it was the fourth warmest April of record. Practically all stations showed plus departures. The warm periods were the 1-4th, 9-15th, and 24-25th. The cold periods were the 5-8th, 18-19th and the 28th. Killing frosts were general on the 6th while heavy to killing frosts occurred at a number of places on the 18th and 19th and on the 28th.

Precipitation averaged slightly below normal. However, except for a few scattered places, the northern division and Berkeley and Jefferson Counties, in the northeastern division, averaged above normal, while the southern division was considerably below normal in precipitation. Average snowfall was a trace, the smallest of record for April, equalled only in 1900, 1915 and 1941. Only one station, Thomas, had a measurable amount of snowfall during the month.

Following an abnormally warm March that had called forth an excessive sappy new growth on vegetation and advanced the season three weeks, April then provided a frost and freeze on the morning of the 6th that caused very serious damage to fruit. By far the greater part of the fruit crop was lost; it being in full bloom at the time. In many places, even alfalfa was badly frosted. Later frosts during the month were enough to cause further damage so that by the close of the month, the seasonal advance had been reduced to normal. Farmers were still planting potatoes and trying to ready their fields for corn at the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 74 stations, was 55.5°, or 3.7° above the normal. The mean for the northeastern panhandle division was 54.4°; for the northern division, 55.1°; and for the southern division, 56.2°. The highest monthly mean was 60.8° at Huntington, and the lowest, 47.9° at Pickens. The highest temperature was 92° at New Martinsville on the 10th and Hinton on the 13th, and the lowest, 12° at Pickens on the 6th and Seneca State Forest on the 7th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 132 stations, was 3.37 inches, or 0.17 inch below the normal. In the northeastern panhandle division, the average was 2.90 inches; in the northern division, 3.79 inches; and in the southern division, 2.99 inches. The greatest monthly precipitation was 5.27 inches at Mannington, and the least, 1.46 inches at Brandywine. The greatest amount in any 24 consecutive hours was 1.80 inches at Sutton on the 16-17th. The average monthly snowfall was trace, or 1.7 inches below the normal. The greatest monthly snowfall was 0.2 inch at Thomas. The average number of days with 0.01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	16	..	1	2	..	4	..	1	1	1	..	..	1	1	8	6	1	10	..	1	6	5	1	5	5	9	1	10	1	5	..
Frosts killing	2	..	..	..	4	47	40	23	13	3	2	..	..	..	1	1	..	11	19	5	2	18	..	..	..	..	2	17	1	7	..
Gales	2	9	2	7	24	9	1	1	2	..	4	..	..	1	2	11	11	6	4	3	13	3	1	1	2	19	20	1	..	3	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	3	1	..	..	..	1	1	..	..	..	1	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	1	1	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	10	..	9	7	..	..	..	..	..	..	..	11	5	4	13	..	..	..	11	5	1	..	4	19	8	..	..	..	7	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.62	6	29.42	26	7.5	25	w.	5	85	56	60	58	274
Columbus, Ohio	30.62	6	29.42	26	10.8	44	s.	4	81	58	66	57	332
Elkins	30.65	6	29.51	26	8.3	37	nw.	26	84	52	60	63	346
Huntington Airp't.	30.65	6	29.53	25	.....	28	sw.	26	86	47	60	....	250
Parkersburg	30.65	6	29.48	25	7.0	32	w.	4	79	42	56	48	268
Petersburg, W. Va.	30.66	6	29.47	26	.....	32	nw.	21	84	47	54	....	287
Pittsburgh, Pa	30.61	6	29.45	26	11.3	47	nw.	4	75	47	56	58	333

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	.....	.....	1.64	3.08	2.50	2.81	.....	.....	.....	.....	.....
1892	50.6	87	17	3.16	4.31	4.83	4.28	.....	7	.....	.....	.....
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	.....	9	11	9	10
1896	**57.7**	95	12	1.56	2.20	2.06	2.06	.....	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	.....	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	.....	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	0.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	0.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	0.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	0.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	0.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	0.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	0.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	0.1	11	10	9	11
1915	55.5	**101**	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	**9**
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	0.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	**7**	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	0.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	0.1	9	13	7	10
1923	50.1	88	**−4**	2.66	3.85	3.29	3.45	0.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	**101**	6	3.01	2.51	3.18	2.89	0.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	0.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	**7**	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	0.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	0.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	0.2	13	13	**7**	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	**7**	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	0.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	0.9	10	14	9	**7**
1939	49.9	92	12	3.91	6.03	4.85	5.36	0.8	15	9	**10**	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
1942	54.7	97	13	1.63	2.40	1.30	1.86	0.5	7	15	8	7
1943	47.8	85	10	2.92	4.18	3.74	3.84	3.5	13	9	10	11
1944	50.7	90	11	3.10	5.18	4.07	4.43	2.4	15	8	10	12
1945	55.5	92	12	2.90	3.79	2.99	3.37	T.	10	11	11	8
Period	51.8	101	−4	3.09	3.74	3.45	3.54	1.7	11	11	8	11

Climatological Data for April 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	50.1	+6.4	79	13	19	6†	3.52	−0.32	0.85	17	T.	12	12	15	3	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	53.0	+3.1	85	13	18	6†	1.46	−1.21	0.40	25	0	7	21	1	8	.....	E. L. Keister
Great Cacapon	Morgan	500	1	55.9	.....	88	12	21	7	3.08	.....	0.83	25	0	9	15	7	8	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	4.50	+1.25	1.04	26	0	12	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	56.4	.....	89	13	26	7	4.54	.....	1.31	25	0	10	10	14	6	e.	H. W. Prettyman
Kearneysville	Jefferson	548	15	55.6	+4.3	85	13	29	6†	4.73	+1.45	1.23	25	0	11	14	10	6	se.	University Exper. Station
Martinsburg	Berkeley	435	53	54.8	+3.2	87	13	28	6	4.37	+1.26	1.35	25	T.	12	3	10	17	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	54.6	+2.8	90	13	20	7	2.17	−0.79	0.80	25	0	7	13	9	8	w.	R. E. Saville
Petersburg	Grant	1,029	6	55.6	.....	88	13	27	6	1.69	.....	0.46	25	T	12	8	7	15	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	54.4	+4.0	86	13	28	7	3.00	−0.01	0.82	17	.....	8	13	7	10	se.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	3.77	+0.02	0.65	5	T.	13	9	2	19	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	27	53.3	+3.7	86	13	24	7	2.78	+0.27	0.62	5	.....	12	.....	.....	.....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	3.87	+0.07	1.39	17	T.	10	6	19	5	w.	L. Esle Bond
Benson	Harrison	1,080	20	56.1	+3.5	88	13	20	6	4.00	+0.79	1.20	17	.....	10	10	18	2	.....	R. D. Marts
Bens Run	Pleasants	652	44	56.6	+3.8	89	11	28	6	3.28	−0.28	0.89	17	.....	7	.....	.....	.....	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	50.4	.....	81	12	19	6†	4.31	.....	1.08	5	.....	10	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	57.6	+5.3	87	13	21	6	3.64	+0.28	1.25	17	.....	8	14	9	7	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	55.6	+4.5	80	13	25	6	4.11	+0.22	1.56	17	T.	13	13	12	5	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	57.2	+3.2	87	12	22	6	3.77	+0.31	1.02	17	0	12	8	21	1	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	51.2	.....	79	13	16	6	4.09	.....	1.12	5	T	13	6	19	5	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	52.9	+1.7	83	13	24	6†	3.32	−0.05	1.15	17	.....	12	10	11	9	sw.	Clarksburg Water Board
Creston	Wirt	640	44	57.2	+3.8	87	12	23	6	3.66	0.00	1.12	17	T.	10	6	21	3	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	53.8	.....	82	13	27	7	3.77	+0.30	0.99	17	T.	12	16	10	4	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	3.78	+0.46	0.84	4	.....	15	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	3.23	−0.06	0.94	17	T.	9	...	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.83	+0.65	0.86	17	.....	13	...	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.65	+0.41	0.90	17	0	12	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	615	35	.....	.....	.....	.....	.....	.....	3.84	+0.67	1.17	17	....	9	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	53.6	+6.2	81	13	22	6	2.50	−1.12	0.82	17	T.	12	5	10	15	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	57.8	+6.0	90	11	25	6	3.83	+0.56	0.90	21	T.	10	10	11	9	w.	J. C. Robinson
Glenville	Gilmer	738	57	58.9	+5.0	89	11	24	6	3.83	+0.07	1.16	17	T.	10	13	16	1	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	55.0	+3 5	85	11†	19	6	4.72	+1.43	1.02	17	T.	13	17	7	6	.....	L. W. Clayton
Grantsville	Calhoun	760	1	.....	.....	.....	.....	.....	.....	3.00	.....	0.90	17	0	8	17	13	0	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	53.6	.....	83	13	23	6	3.54	.....	1.00	17	T.	12	8	12	10	sw.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	4.63	.....	0.98	17	T.	12	12	16	2	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	4.09	+0.44	1.25	17	0	9	.....	.....	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	43	55.1	+4.0	86	11	20	6	5.27	+1.57	1.63	25	T.	12	10	11	9	sw.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	4	54.4	.....	85	10†	20	6	4.39	.....	0.90	5	T.	9	10	8	12	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	56.1	+4.4	85	11	26	6	3.69	+0.54	0.92	17	T.	13	10	14	6	n.	State Dairy Farm
New Cumberland	Hancock	671	50	54.0	+4.8	85	10†	22	6	3.67	+0.39	0.85	17	0	14	11	6	13	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	57.4	+4.3	92	10	25	6	3.44	−0.06	0.80	17	T.	8	11	14	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	56.8	+3.4	84	11	28	6	3.55	+0.36	0.95	17	T.	14	7	16	7	se.	Section Center
Parsons	Tucker	1,649	46	54.5	+5.3	83	4†	23	6	3.85	+0.09	1.19	17	T.	14	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	3.73	+0.01	1.31	17	T.	12	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	47.9	−0.2	80	11	12	6	5.24	+0.05	1.30	17	T.	11	12	7	11	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	3.28	−0.30	1.25	17	0	7	13	8	9	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	55.6	.....	85	12	27	7	3.95	−0.24	1.20	17	0	12	9	1	20	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	4.14	+0.72	1.06	5	.....	10	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	3.69	−0.49	1.00	17	0.2	12	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	58.0	+4.9	90	13	22	6	3.98	+0.57	1.23	17	T.	11	10	17	3	sw.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	54.8	+5.2	86	16	22	6	4.57	+1.41	1.16	5	T.	10	12	10	8	.....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	3.77	−0.05	1.15	17	0	12	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	58.3	+5.5	88	13	26	6	3.93	+0.42	1.15	17	0	11	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	54.6	+3.0	85	10	29	6†	3.82	+0.59	0.94	5	T.	14	15	8	7	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	58.2	.....	88	12†	26	6†	2.26	.....	0.46	17	0	9	.....	.....	.....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	... .	.....	.....	.....	.....	.....	2.25	−0.97	0.64	25	T.	9	11	11	8	w.	H. S. Sutton
Athens	Mercer	2,600	5	54.4	.....	79	13	21	6	1.91	.....	0 67	17	T.	8	13	9	8	nw.	Concord College
Bluefield	Mercer	2,558	50	57.1	+3.5	80	15	26	6	2.58	−0.53	0.85	17	0	9	17	3	10	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	58.8	+2.5	87	11†	28	6	2.92	−0.95	1.22	17	T.	11	13	9	8	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	57.4	.....	88	12	25	6	3.35	.....	1.29	17	T.	10	7	9	14	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	49.0	.	77	13	14	6	3.68	.....	0.99	25	T.	12	11	8	11	w.	Department of Justice
Flat Top	Mercer	3,235	7	51.0		77	13	20	6	3.25	....	0.97	25	0	14	8	12	10	se.	U. S. Airway Station
Gary	McDowell	1,426	28	56.2	+2.8	84	12†	24	6	3.30	−0.19	0.87	25	T.	12	16	5	9	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	57.4	.....	86	2	27	6	3.50	.....	1.30	5	0	8	6	11	13	w.	State Forest Nursery
Hamlin	Lincoln	641	2	56.3	.....	86	3	23	6	2.22	.....	1.04	17	0	9	12	10	8	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	57.0	.....	92	13	24	7	3.04	.....	0.58	17	0	12	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	60.8	+6.2	88	12	29	6	3.74	+0.23	1.44	17	T.	10	7	12	11	nw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	3.42	−0.64	1.48	17	T.	5	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	James B. Stuart
Logan	Logan	700	32	59.2	+1.9	89	12	28	6†	3.46	−0.69	1.17	17	T.	12	10	6	14	.....	Paul A. Simonds
London Locks	Kanawha	623	10	59.0	.....	87	10†	27	6†	2.72	.....	1.30	17	0	12	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	24	58.0	+3.7	87	12†	26	6	3.23	−0.61	1.20	17	0	13	11	12	7	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	53.2	.....	82	4	22	6	2.18	.....	0.95	17	T.	10	12	3	15	.....	M. H. Martin
Pineville	Wyoming	1,350	3	59.3	.....	91	12	24	6	3.29	.....	0.94	4	0	12	13	8	9	.....	Charles Dameron
Point Pleasant	Mason	595	55	59.4	+4.5	86	12†	29	6	3.67	+0.36	1.19	25	T.	11	14	3	13	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	14	53.6	+5.4	83	13	19	6	3.32	−0.87	0.99	17	T.	13	13	4	13	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	56.8	+3.0	85	12	25	6	3.34	+0.18	0.97	17	0	10	4	12	14	nw.	Lockmaster
Richwood	Nicholas	2,193	14	55.6	+5.7	82	15	20	6	2.72	−1.12	1.06	17	T.	5	19	7	4	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	57.2	.....	89	11	23	6	3.48	.....	1.30	17	0	6	7	12	11	w.	Pfost Greenhouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	51.4	.....	80	13	12	7	1.93	.....	0.83	17	0	7	12	7	11	w.	Supt., State Forest
Spencer	Roane	789	46	56.6	+3.8	86	11	24	6	3.12	−0.27	0.97	17	0	13	8	11	11	.....	A. M. McKown
Summersville	Nicholas	1,900	9	52.4	.....	82	10†	18	6	2.83	.....	1.17	17	0	5	7	20	3	.....	A. E. Dorsey
Sutton	Braxton	850	42	58.2	+5.4	88	13†	23	6	3.72	−0.13	1.80	17	0	9	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	41	52.4	+0.6	83	13	19	6	2.42	−0.47	0.40	20	0	12	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	13	58.0	.....	86	13	25	6	3.75	.....	1.45	17	T.	5	16	10	4	n.	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	55.7	+4 3	85	13	20	7	1.47	−1.81	0.58	17	0	13	3	14	13	w.	Ashford General Hospital
Williamson	Mingo	673	44	59.8	+4.3	89	10†	28	6†	3.14	−0.54	1.35	17	0	9	12	12	6	nw.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	57.2	.....	86	11†	28	7	2.99	.....	1.08	17	0	10	13	4	13	sw.	Lockmaster
State averages and extremes		.....	....	55.5	+3.7	92	10†	12	6†	3.37	−0.17	1.80	17	T.	10	11	11	8	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for April 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.50	.11	.05	.73									T.	T.	.05	.85	.05		.03	.32			T.	.60	.15	.08					3.52
Brandywine	do		.19			.32										.08	.02	.34			T.				.11	.40							1.46
Brushy Run[2]	do		.02	.15		.38										.04	.10	.22	.08	.05		.05			.03	.08	.32	.11					1.63
Harpers Ferry [2]	do	.40	.22	.44		.53										.41	.20	.05	.43						.08	.40	1.04	.30					4.50
Inwood	do		.50			.98									.29	.15	.15	.29		.03					.46	1.31	.38						4.54
Kearneysville	do		.25	.30		.75									.18	.08	.51	.24	.03		T.				.42	1.23	.74						4.73
Knobly Mountain[2]†	do	T.		.36		.28	T.									.09	.10	.42				.20			.12	.35	.43						2.35
Martinsburg [4]	do	.19	.12	.10		.82	T.								.29	.07	.38	.30	T.	T.	T.	T.		.08	.42	1.35	.25			T.		4.37
McNeill†	do		.13	.19	T.	.29									T.	.16		.46						T.		.80		.14				2.17
Petersburg	do	T.	.19		.26	.04									.14	.11	T.	.37	.01		.02	T.		.05	.02	.46	.02				T.		1.69
Piedmont	do			.32	T.	.35											.20	.82		T.		.15			.16	.78	.22	T.					3.00
Romney	do																																
Spruce Knob [2]†	do	T.		.38	.14	.37	T.									T.		.34	.22			T.			T.	.26	.72	T.					2.43
Stony River Dam [2] †	do			.45		.65										.15	.05	.64	.11		.06	.47	.08		.08	.20	.56	.27					3.77
Wardensville [2]	do			.21		.62										.34	.03	.19	.10	.02		.07			.34	.27	.51	.08					2.78
Northern Division																																	
Aberdeen†	West Fork		T.	.24		1.09									.08	.18	T.	1.39			.14	.05		T.		.62	.06	.02					3.87
Belington [2]	Tygart	T.	.01	.32	T.	.88	T.									.22	.01	1.01	.32	.02	T.	.23	.01		T.	.06	.45	.04					3.58
Benson †	West Fork		.10	.08	.02	1.00									.17		.15	1.20			.20					.96		.12					4.00
Bens Run	Ohio	T.	.40	.04	.85	.15									.47			.89			.48			T.	T.					T.		3.28
Big Skin Creek†	West Fork		.28			.86									.12	.20		1.36			.17					.83	.08	.07			T.		3.97
Brandonville[2]	Cheat		.22	.30		1.08									.16	.39		.98	T.	.08		.31	T.		.55			.24				4 31
Brownsville †	West Fork		.07	.20		.93									.18	.20		1.25														3.64
Buckhannon	Tygart		.11	.26	.01	.92	T.								.13	.20	T.	1.56		.03	.13	.01		T.	T.	.71	.10						4.11
Cairo	Litl.Kanawha		.29	.20	.09	.89									.21	.10		1.02			.21	.04				.50	.10	.12					3.77
Canaan Valley	Cheat		.10	.32	.04	1.12									.06	.21		.75		.11	.09	.18			.03	.85	.23					4.09
Clarksburg [2]	West Fork	T.	.14	.03		.70										.20	.05	1.15	.05		T.	.25	.05			.50	.16	.04					3.32
Crawford	do		.19		T.	.90									.26	.41		1.64			.19				.60		.02	.01					4.22
Creston [2]	Litl.Kanawha	.08	.16	.10		.90	T.									.32	.01	1.12				.15	.02		T.	.80							3.66
Dailey [2]†	Tygart	.02		.31	T.	.58	.04									.13	.10	.58	.25	.03		.03	T.		.02	.11	.30	.13					2.63
Dam 10, Mon. R. [2]†	Monongahela	T.	.08	.41		.69	T.									.51	.03	.91	.08	.01		.44	.03		T.	.28	.30	T.					3.77
Dam 13, O. R. [2]†	Ohio	.10	.31	.19		.84	.02									.52	.20	.65		.01	T.	.39	.03		.13	.10	.28	.01					3.78
Dam 15, Mon. R. [2]†	Monongahela		.08	.28		.80	T.									.30		.85	.09			.37				.20	.26						3.23
Dam 19, O. R. [2]†	Ohio	.12	.48	.06		.68									.20	.42		.86			.05	.24	.02		.12	.52	.06						3.83
Dam 20, O. R. [2]†	do	.10	.43	.08		.90	T.								.10	.36		.90			.11	.11			.05	.47		.04					3.65
Elizabeth (Dam 3)[2]	Litl.Kanawha		.25	.10		1.10										.36		1.17			.05	.20				.53	.08						3.84
Elk †	West Fork		.56			.30									.38			1.10				.15				.64	.24	.10					3.47
Elkins [1] †	Tygart	T.	.16	T.	.39	.32									.12	.10		.82	.02		.10	T.		T.	T.	.41	.02	.01			.03		2.50
Fairmont [2]	Monongahela		.09	.24		.80	T.									.31	.03	.90			.04	.90				.43	.09	T.					3.83
Glenville [2]	Litl.Kanawha		.12	.07		.91	T.									.58		1.10	.06			T.	.07		.10	.74	.08					3.83
Grafton	Tygart	.02	.14	.24		1.01									.36	.36	.02	1.02			.13	.57		T.		.63	.12	.10					4.72
Hackers Creek †	West Fork		.14	.07	1.08										.35	.10		1.09			.16	.30				.61							3.90
Hall [2]	Tygart	.02	T.	.13	T.	.87	T.									.26	.03	1.31	.07		T.	.13	T.		T.	.21	.29	.08					3.40
Harrison Co. Arpt. [4]	West Fork	.04	.27		.81	.02									.40	.01		1.00	T.		.15	.21		T.		.51	.02				.10		3.54
Hastings	Ohio		.35	.30		.90									.65	.09		.98			.28	.28			.01	.72	.05	.02					4.63
Horner	West Fork		.05	.15		.85									.06	.20		1.32			.12		.03			.70	.12						3.60
Ireland	do		.02	.04											.06		.20	.09		.18				T								SS
Jane Lew	do			.30	T.	1.10	T.								.17	.38		1.25	T.		.19			T.		.59	.09	T.			.02		4.09
Kumbrabow St. For.†	[2]Tygart		.30		.02	1.01										.07	.03	1.16			.06	.06				.55	.10	.21					3.57
Mannington	Monongahela		.45	.03	.08	.67									.56	T.	.05	1.22	T.		.27	.26				1.63		.01			.04		5.27
Middlebourne [2]	Middle Is.Creek	.03	.34	.24		.90	T.									.88	T.	.86				.42				.62	T.	.10					4.39
Midvale [2]†	Tygart	T.		.19		1.05										.47	.02	1.14	.20		T.	.14				.14	.41	.05					3.81
Morgantown	Monongahela	.05	.15	.28	.54	.12									.52	.03	.02	.92	T.		.15	.27			.01	.63							3.69
Mt. Clare	West Fork		.34			1.05									.50		.09	1.10			.19	.06				.68	.16						4.17
New Cumberland	Ohio		.43	.03	.31	.79									.34		.16	.69	.03		.11	.10			.15	.49		.01			.03		3.67
New Martinsville	do		.47	T.	T.	T.									.61	.06	T.	.80	T.		.27	.18		T.	T.	.77	.28						3.44
Parkersburg [1]†	do	.20	.16		.71	.01									.52		.48	.47	T.		.29	.02		.05	.21	.30	.11	T.			.02		3.55
Parsons	Cheat		.03	.27	.01	1.05									.07	.18	.05	1.19		.03	.06	.25		T.	T.	.48	.03	.15					3.85
Philippi [2]	Tygart	.01	.02	.28	T.	.99	T.									.21	T.	1.20	.11		T.	.15	.01		T.	.22	.46	.07					3.73
Pickens	do		.46	.21	1.05	T.	T.								.15	.10	.76	1.30			.13				T.	.75	.15	.18					5.24
Roanoke	West Fork				.14	.72									.14	.05		1.25								.87		.11					3.28
Rockford †	do	T.	.36	T.	T.	1.15									.23	.22		1.03			.16	.10				.56	.20	.02					4.03
Rowlesburg [2]	Cheat		.12	.15	T.	1.00	T.									.31	.04	.45	.75	T.	T.	.30	.11		T.	.23	.26	.23					3.95
Saint Marys [2]	Ohio		.41	.11		1.06										.62		.91			.03	.34				.47	.12	.07					4.14
Salem	West Fork		.24			.93									.26			1.05			.23	.09				.78							3.58
Shinnston	do	T.	.05	T.	.45											.10		1.10			.50	.05				.75	.10	.70					3.80
Thomas [2]	Cheat	.16		.30	T.	.75	.10									.15	.02	.52	.48		T.	.31	.10			T.	.60	.20					3.69
Valley Chapel	West Fork		.07	.04	T.	1.11									.13	.37		1.23			.20	.03			.01	.75		.04					3.98
Valley Head [2]	Tygart	.01		.30	.02	.48	T.										.02	.68	.34			.01			.02	.11	.37	.02					2.38
Vandalia †	West Fork		.20			.84									.43	.12		1.61			.16	.18			.11	.58	.14					4.37
Wellsburg (near)	Ohio		.48		.21	.95									.35	.05	.26	.65	T.			.56			.19	.87				T.		4.57
West Milford	West Fork		12		.02	.94									.21	.15	.10	1.15			.18	.05				.72	.08	.05					3.77
Weston [2]	do		.08	.16		1.08										.60		.96	.19		T.	.16			.04	.15	.46	.05					3.93
Wheeling (Dam 12)[2]	Ohio	.04	.35	.24		.94	T.								T.	.36	.27	.61	.01	.02	T.	.26			.15	.22	.34	.01					3.82
Southern Division																																	
Alderson	Greenbrier		T.	T.		.28									T.		.30	.46	.16			.10			.18	.20	.33			.25	T.		2.26
Arbovale	do		.30	.06		.53										T.	.03	.44			T.	.01		T.	.09	.64	.15						2.25
Athens	New		.02			.16									T.	T.	T.	.67			.20			.08	T.	.44	T.	T.	.08	.26	T.		1.91
Bluefield	New		.16			.27												.85			.39			.03		.48			.07	*	.33		2.58
Camden-on-Gauley [2]	Gauley			.02		.77	.02											.71	.35							.48	.16	.08					2.59
Charleston	Gr. Kanawha	.02	.11	.03		.69	T.									T.	.04	1.22			.01	.11			.09	.57	.03			T.			2.92
Charleston (Airport)[4]	do	.16	.04	T.	.79	T.									T.	T.	.12	1.17			.13			.14		.72	.01	T.			.07		3.35
Clay	Elk														.06			1.11	.13			.06	.04		.25	.25	.03	.05				SS
Flat Top[4]	New	.05	.05	T.	.28	.14									.01	.10	.01	.88			.17	T.		.13		.97			.20	.22	.04		3.25
Gary [2]	Big Sandy		.14	.03		.63										.10		.60	.12			.31	.01		.87	.10			.25	.14		3.30
Greenbottom †	Ohio		.22				1.30								.09	.11		1.15			.11	.04				.48						3.50
Hinton [2]	New		.07	.11		.26											.34	.58	.15			.06			.20	.51	.25			.38	.13		3.04
Hogsett [2]	Ohio	.03	.12	.04		.92										.34	.04	1.25			.03	.13	T.		.03	.88	T.						3.81
Huntington	do	T.	.18	T.	.02	.95									.06	.09		1.44			.08	T.		.18	T.	.68	T.				.06		3.74
Kayford [2]	Gr. Kanawha	.02	.04	T.		.65												1.48							.17	.83				.10		3.42
Lewisburg	Greenbrier					.84										.08	.04	1.17	T.		T.	.15	T.		.10	.70	.01	T.		.38	.07		3.46
Logan [2]	Guyandot	T.	.10	.01		.65	T.										.04	1.28	.02		T.	.02			.14	.35	.10	.01		T.	.05		2.72
London Locks[2]†	Gr. Kanawha	.02	.04	T.		.65										.03	.01	1.20			T.	.37			.10	.68	.03	.01	T.	.07			3.23
Madison [2]	Coal	.07	.11	.01		.54												.95							.30	.09		.05	.03	.02		2.18
Oak Hill [2]	New				.40	.23									.10	.01		.85				.13	.05	.05	.38	.12		.30	.10	.08		3.29
Pineville [2]	Guyandot		.08			.94										.21		1.11			.12	.09			.03	1.19	.12	T.					3.67
Point Pleasant [2]	Ohio		.15	.09		.72										.05		1.12				.26			.50	.09	.23			.35	.30		2.34
Princeton [2]	New		.02	.15		.14											.18	.12			.01	.08	.05		.84		.05	.01	.10	T.		3.32
Rainelle	Greenbrier		.18	.02		.61									.36	.02		.99			.01	.08				.84						3.34
Ravenswood [2]	Ohio	.02	.15	.06		.75									T.	.40		.97			T.	.05			.02	.80	.12					2.72
Richwood [2]	Gauley		.27			.74												1.06	.07							.58						

Continued on next page.

Daily Precipitation for April 1945—Coneluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	T.	.03	....	T.	.95	....	....	....	....	....	....	....	....	.21	....	....	1.30	....	....	.19	T.	....	T.	....	.80	....	....	....	....	....	....	3.48
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Seneca State Forest†	Greenbrier	....	.20	.13	....	.35	....	....	....	....	....	....	....	....	....	.10	T.	.83	....	....	....	.23	....	....	....	.20	.12	....	....	....	....	....	....	1.93
Spencer[2]	Litl.Kanawha	.06	.15	.08	.02	.75	....	....	....	....	....	....	....	....	....	.39	.03	.97	....	....	....	....	....	....	.02	.35	.06	.01	....	....	....	....	3.12
Summersville[2]	Gauley	....	....	.10	....	.90	....	....	....	....	....	....	....	....	....	....	....	1.17	....	....	....	....	....	....	....	.56	.10	....	....	....	....	....	2.83
Sutton	Elk	....	.17	....	....	.80	....	....	....	....	....	....	....	....	.05	.05	....	1.80	....	....	.06	....	....	....	....	.66	.08	.05	....	....	....	....	3.72
Union[2]	New	....	.05	.05	....	.23	....	....	....	....	....	....	....	....	....	....	.30	.40	.24	....	....	.40	....	....	.10	.08	.12	....	....	.35	.10	....	2.42
Wayne[2]	Twelvepole	.06	.11	....	....	1.00	....	....	....	....	....	....	....	....	....	....	....	1.05	....	....	....	.10	....	....	.21	.79	....	....	.09	....	....	....	3.41
Webster Springs	Elk	....	.36	T.	....	.93	....	....	....	....	....	....	....	....	....	T.	....	1.45	....	....	T.	....	....	....	.80	T.	.21	....	....	....	....	T.	....	3.75
White Sulp'r Spgs.	Greenbrier	....	.08	.02	....	.15	....	....	....	....	....	....	....	....	.14	....	.57	.01	....	.09	.02	....	.02	.10	.22	....	....	.03	.02	....	....	....	1.47
Williamson[2]	Big Sandy	....	....	....	....	.72	....	....	....	....	....	....	....	....	.17	....	1.35	....	....	....	.09	....	....	.07	.47	....	.03	....	.18	.06	....	....	3.14
Winfield Locks[2]†	Gr. Kanawha	....	.17	.02	....	.93	....	....	....	....	....	....	....	....	T.	.01	1.08	.01	....	T.	.09	T.	....	.04	.60	.04	....	....	....	....	....	....	2.99

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Roekford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Cireleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for April 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	70	69	69	77	68	49	62	67	74	71	71	78	79	68	68	71	64	58	52	51	64	63	66	70	65	73	55	55	58	55	....	65 3
	Minimum	34	49	51	41	31	19	19	22	29	26	27	40	39	43	48	46	52	30	30	25	33	28	33	47	50	41	28	28	30	28	....	34.9
Bluefield	Maximum	*68*	70	73	79	77	50	59	*67*	72	75	75	*79*	*79*	79	80	72	68	60	59	*55*	68	70	66	72	73	74	70	56	*48*	56		68.3
	Minimum	36	*58*	58	61	32	26	31	42	*48*	52	49	*49*	54	56	*55*	55	52	39	35	*43*	43	39	49	47	55	57	38	36	*43*	38		45.9
Brandywine	Maximum	72	67	79	80	70	55	65	72	76	78	83	84	85	81	68	69	67	66	65	60	72	65	67	71	68	78	67	60	63	64	....	70.6
	Minimum	30	50	51	44	34	18	18	21	28	29	37	42	44	45	48	47	55	30	29	27	28	25	33	42	40	43	35	24	34	32	....	35.4
Buckhannon	Maximum	75	76	70	79	73	52	64	70	74	79	78	79	80	77	69	79	73	61	55	54	68	58	73	76	75	75	61	55	60	59	....	69.2
	Minimum	35	55	56	51	36	25	26	32	35	39	36	52	49	52	49	54	56	38	32	34	38	31	41	48	57	51	39	31	42	41	....	42.0
Cairo	Maximum	70	80	83	77	80	54	67	76	80	84	86	87	84	84	71	82	82	67	62	60	71	72	73	72	77	76	73	58	62	65	....	73.8
	Minimum	33	54	57	49	37	22	26	30	32	40	37	46	47	51	50	54	58	33	28	32	39	40	40	46	48	51	40	30	44	32	....	40.5
Charleston (Airport)	Maximum	80	82	78	83	47	61	74	76	83	83	87	88	85	76	74	85	68	65	64	62	75	66	64	81	78	77	60	55	62	64	....	72 8
	Minimum	38	57	53	43	28	25	29	34	37	39	42	50	51	54	52	58	42	38	34	40	41	37	44	48	53	46	39	35	39	35	....	42.0
Clarksburg[3]	Maximum	73	78	74	80	*50*	56	68	75	79	81	81	81	83	68	69	79	67	58	58	55	68	60	67	77	72	60	55	58	59	53	....	68.1
	Minimum	35	35	54	50	38	24	24	26	31	33	37	37	47	48	48	48	54	35	30	30	39	29	28	43	47	50	41	28	28	34	....	37.7
Cranberry Glades	Maximum	67	61	68	73	66	50	60	67	72	76	78	76	77	73	64	58	58	57	56	50	65	65	57	69	67	72	51	50	53	56	....	63.6
	Minimum	27	50	50	46	27	14	15	21	21	25	27	48	39	37	45	50	50	32	30	25	32	26	40	42	46	39	31	29	37	29	....	34.3
Elkins	Maximum	72	72	72	78	54	55	68	75	78	79	80	80	81	68	71	73	67	59	55	51	66	60	66	77	69	75	51	56	57	58	..	67.4
	Minimum	37	55	50	47	30	22	27	28	32	37	36	49	44	48	51	58	47	34	32	31	34	32	39	55	52	41	36	30	39	38	....	39.7
Fairmont[3]	Maximum	77	83	76	80	*51*	62	74	80	85	87	90	89	89	72	73	84	72	64	64	56	69	66	74	82	77	78	58	63	65	68	....	73.6
	Minimum	37	47	55	51	37	25	29	33	36	42	38	52	50	55	48	50	58	35	30	35	39	30	40	50	58	53	40	29	40	35	....	41.9
Flat Top	Maximum	67	68	72	76	44	47	58	64	69	73	69	75	77	72	70	67	59	57	55	48	68	63	50	71	69	70	47	43	45	52	....	62.2
	Minimum	30	54	53	44	26	20	27	34	43	45	44	44	52	54	52	52	41	32	27	42	41	34	43	44	46	37	33	32	36	33	....	39.9
Gary[3]	Maximum	76	78	81	81	51	58	68	79	81	80	78	84	84	80	84	77	63	64	62	56	74	73	64	78	76	78	58	50	50	60	....	70.9
	Minimum	38	39	60	51	36	24	25	27	36	39	39	*46*	47	49	51	57	60	38	32	32	40	36	44	43	54	51	43	34	38	39	....	41.6
Glenville	Maximum	80	82	78	82	80	62	73	79	84	88	89	88	88	87	70	80	77	67	61	62	73	68	77	81	80	78	64	59	62	66	....	75.5
	Minimum	37	35	60	50	38	24	26	30	34	38	38	50	48	53	52	55	57	38	29	34	40	32	42	45	57	52	41	32	44	37	....	42.3
Grafton	Maximum	69	73	79	82	81	52	64	72	79	80	85	85	83	83	69	81	81	65	62	55	69	70	74	79	79	75	71	54	62	63	....	72-5
	Minimum	30	50	50	46	32	19	22	28	31	36	32	45	44	49	45	52	52	31	26	28	35	25	38	49	55	48	35	25	37	30	....	37 5
Huntington	Maximum	78	83	72	80	75	58	73	78	80	84	85	88	87	82	68	84	82	67	64	67	77	78	70	80	79	75	64	60	65	69	....	75.1
	Minimum	40	60	58	54	39	29	33	38	40	45	45	53	53	61	51	55	57	42	34	45	46	40	49	52	58	53	44	40	47	38	....	46.6
Logan[3]	Maximum	75	83	84	84	48	62	71	76	85	88	86	89	88	83	77	85	71	67	65	65	75	70	67	83	79	78	64	55	57	65	....	74.2
	Minimum	42	42	65	48	41	28	28	33	35	40	43	47	52	52	53	53	59	41	35	35	47	39	39	51	56	56	46	39	41	39	....	44.2
Madison[3]	Maximum	79	82	82	82	50	58	73	83	86	86	86	87	87	80	76	86	70	67	65	64	74	68	65	82	77	76	61	54	58	64	....	73.6
	Minimum	34	39	61	50	*41*	26	29	33	39	40	44	42	50	50	53	53	58	38	32	36	43	34	36	43	55	54	44	37	39	36	....	42.3
Mannington	Maximum	72	79	74	77	74	57	70	76	80	84	86	84	83	80	70	81	75	62	59	56	70	64	72	78	75	75	55	59	63	62	....	71.7
	Minimum	32	51	52	45	35	20	22	28	30	34	32	46	44	48	47	50	57	40	26	29	37	26	38	49	55	49	38	27	39	30	....	38.5
Martinsburg	Maximum	71	67	74	70	47	56	60	69	72	79	71	77	87	78	52	56	64	66	60	59	71	63	63	58	68	76	54	61	59	63	....	65.7
	Minimum	48	61	53	44	32	28	32	40	40	44	52	51	57	51	48	49	42	39	35	37	36	39	48	51	49	44	39	41	42	44	....	43.9
Morgantown	Maximum	72	77	70	78	58	55	66	74	78	83	85	88	82	79	70	81	74	61	55	53	67	60	74	77	74	78	51	59	62	60	....	69.9
	Minimum	42	53	48	53	32	26	35	40	*36*	*42*	*45*	*47*	*50*	51	46	53	55	38	32	38	42	28	40	55	56	49	37	29	36	35	....	42.3
New Martinsville	Maximum	72	80	70	76	76	59	71	76	83	92	88	86	86	82	68	82	76	65	60	56	69	62	73	77	76	76	57	60	64	65	....	72.8
	Minimum	36	54	51	51	35	25	27	32	35	40	40	49	50	54	47	52	59	35	30	36	41	29	42	49	58	57	38	32	40	35	....	42.0
Parkersburg	Maximum	73	80	72	79	43	56	68	75	79	83	84	83	84	71	67	80	65	59	58	62	67	61	70	77	76	74	55	56	59	62	....	69.3
	Minimum	39	58	51	42	36	28	35	39	42	47	48	58	55	50	48	56	46	38	35	42	42	36	48	54	59	43	40	35	42	37	....	44.3
Petersburg	Maximum	75	72	79	83	61	57	66	74	78	79	76	83	88	73	60	71	69	66	62	60	73	65	67	70	74	80	58	61	63	64	....	70.2
	Minimum	40	54	52	46	34	27	30	29	34	37	36	54	49	52	49	48	49	38	33	32	39	34	39	49	50	46	42	35	40	33	....	41.0
Pickens	Maximum	69	70	74	66	65	48	67	75	72	75	80	75	78	63	68	74	58	44	48	47	56	60	58	73	72	70	46	44	47	52	....	63.1
	Minimum	28	49	48	44	29	12	20	25	30	31	41	43	43	42	45	45	37	20	20	35	20	20	23	35	47	39	26	20	35	28	....	32.7
Point Pleasant	Maximum	72	76	76	79	79	59	70	76	79	84	82	86	86	85	67	75	71	75	63	64	71	67	66	80	79	76	60	60	63	65	....	73.0
	Minimum	39	58	57	54	39	29	33	38	40	44	43	53	35	60	49	54	58	40	35	43	45	36	47	52	58	57	43	37	45	38	....	45.9
Rainelle	Maximum	71	71	74	79	74	54	64	71	76	80	79	81	83	80	72	68	64	61	61	60	64	68	66	75	75	75	63	54	51	60	....	69.1
	Minimum	31	55	54	46	31	19	21	24	28	31	37	44	40	42	52	54	53	30	27	30	36	30	46	45	52	43	35	27	40	36	....	38.0
Spencer[3]	Maximum	78	81	73	80	46	60	70	76	85	86	85	85	81	71	70	80	68	63	61	61	72	64	69	79	75	75	59	59	63	64	....	71.3
	Minimum	34	56	59	51	37	24	21	31	35	40	51	41	52	48	49	55	56	35	28	35	40	33	44	49	53	53	40	30	36	32	....	41.9
Summersville	Maximum	75	75	75	81	47	56	67	74	78	82	80	82	82	75	74	72	64	61	57	53	71	64	61	76	72	74	54	57	56	59	....	68.5
	Minimum	33	43	57	47	30	18	20	25	28	30	31	44	42	45	53	51	52	30	25	30	31	27	40	40	51	46	30	26	33	33	....	36.4
Sutton	Maximum	80	80	78	76	75	58	70	77	82	85	87	87	88	88	81	80	80	68	63	62	72	72	65	82	82	75	72	58	62	64	....	75.0
	Minimum	36	54	60	49	43	23	25	30	32	38	36	48	46	50	53	50	54	35	30	29	38	32	40	41	57	52	42	32	45	41	....	41.4
Wardensville[3]	Maximum	71	69	80	80	47	57	63	70	75	75	74	81	86	82	55	66	67	65	60	57	70	64	65	63	71	80	56	62	62	62	....	67.8
	Minimum	35	51	56	45	40	25	24	26	31	32	34	45	47	50	51	49	51	34	31	30	31	30	36	44	49	44	42	33	34	33	....	38.8
Weston	Maximum	80	81	78	83	*51*	60	72	78	81	84	85	86	88	70	70	86	70	65	69	66	64	63	74	82	74	78	65	60	64	66	....	73.1
	Minimum	35	55	60	51	39	26	29	33	36	40	39	50	50	52	50	55	64	37	31	38	40	35	41	50	60	52	41	31	44	41	....	43.5
Wheeling[3]	Maximum	73	80	68	75	*59*	58	66	75	79	85	83	83	82	59	65	83	64	58	58	58	67	62	78	75	74	74	54	62	58	62	....	68.9
	Minimum	*35*	56	49	50	36	29	29	35	36	40	41	40	49	51	41	47	46	39	33	35	42	33	32	42	56	51	39	32	32	36	....	40.4
Williamson[3]	Maximum	78	88	85	85	*54*	63	74	80	85	89	88	89	89	83	85	85	72	69	67	63	76	72	70	82	82	79	66	55	55	67	....	75.8
	Minimum	41	42	63	54	41	28	28	30	34	39	41	42	49	51	54	57	58	40	34	34	46	40	42	51	54	56	46	40	43	40	....	43.9

Daily Evaporation (inches) and Wind Movement (miles) for April 1945

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.140	.074	.107	.079	.200	.036	.174	.134	.084	.151	.058	.274	.157	.167	.064	.035	.294	.198	.180	.120	.000	.194	.128	.059	.111	.092	.245	.175	.061	.099	....	3.890
	Wind movement	131	19	127	24	133	164	15	22	11	26	17	25	21	49	41	22	140	36	97	49	7	132	15	29	40	23	210	114	19	33	....	1.791
Wardensville	Evaporation	....	....	....	....	....	....	....	....	....	.173	.204	.194	.097	.157	.238	.128	.047	.015	.055	.250	.186	.027	.193	.155	.113	.069	.063	.266	.241	.110	.092	....	.....
	Wind movement	....	....	....	....	....	....	....	....	....	28	38	21	23	23	39	54	43	17	73	82	27	35	....	....	50	34	14	122	97	34	29	....	.....

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIII MAY 1945 No. 5

GENERAL SUMMARY

May was cold and wet. It was the sixth coldest May of record. Its minimum temperature of 19° at Canaan Valley was exceeded only by the 17° in 1943. However, it was equalled by the minimum temperature of 19° in 1910, 1913, and 1939. Killing frosts occurred on the higher elevations and at a number of stations in the northern part of the State on the 2d; also at a few places on the 11th, 20th, and 25th. The cold periods were 1-2d, 11-12th, and 20th, while the warm periods were 14-16th, 21-22d and 28th.

Precipitation averaged above normal in all divisions with deficiencies confined to a few stations in Lewis and Hardy Counties. Many stations in all three divisions reported over one inch excess while in the counties along the Ohio River the excess averaged nearly two inches. Snows, heavy for May, occurred during the first five days in portions of the mountain areas. There were four snow-lying days at Spruce Knob. Showers occurred in some portion of the State practically every day. On the 29th, heavy thundershowers caused damaging floods in the vicinity of War.

May was a difficult month for the farmer as the frequent showers prevented planting and the cold, wet soil rotted much of the seed, especially corn and beans. Cool-season crops, such as peas and potatoes made satisfactory growth but many others including wheat, oats, pasture, and meadow grasses made but slow progress. Warm-season crops usually planted the first week of May were considerably behind their usual position at the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 57.9°, or 3.9° below the normal. The mean for the northeastern panhandle division was 58.6°; for the northern division, 57.2°; and for the southern division, 58.5°. The highest monthly mean was 62.8° at Huntington, and the lowest, 50.1° at Pickens. The highest temperature was 95° at Great Cacapon and Hinton on the 21st, and the lowest, 19° at Canaan Valley on the 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 127 stations, was 5.01 inches, or 1.02 inches above the normal. In the northeastern panhandle division, the average was 3.79 inches; in the northern division, 5.08 inches; and in the southern division, 5.41 inches. The greatest monthly precipitation was 8.28 inches at Kumbrabow, and the least, 2.58 inches at Wardensville. The greatest amount in any 24 consecutive hours was 2.36 inches at Belington on the 18-19th. The average monthly snowfall was 0.2 inch, or 0.1 inch above the normal. The greatest monthly snowfall was 12.0 inches at Kumbrabow. The average number of days with 0.01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	4	1	2	1	..	8	1	2	1	10	11	5	15	1	..	4	6	4	16	4	2	2	19	11	1	16	2	2	3	9
Frosts killing	..	17	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	3	..	1	..	..	6	1	..	..	..	..	..	..
Gales	3	3	4	1	2	2	1	8	1	8	3	..	1	..	2	3	11	3	5	..	3	13	10	2	1	1	..	3	..	2	2
Hail	..	..	4	9	4	..	..	..	..	..	..	..	..	..	2	1	..	..	1	..	..	2	..	..	..	..	..	1	2	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	1	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	1	..	..	2	..	..	..	..	..	..	1	1	1	..	..	..	..	1	..	..	..	1	..	..	..	..	..
Sleet	1	1	2	1	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	4	..	2	9	5	1	..	1	..	..	..	..	..	..	4	15	16	..	..	..	1	12	..	..	..	..	..	1	14	8	1

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.31	24	29.56	7	7.0	31	w.	14	83	54	64	58	196
Columbus, Ohio	30.28	24	29.57	7	10.1	39	sw.	8	82	56	63	59	241
Elkins	30.28	24	29.58	10	8.1	38	sw.	17	88	55	64	57	319
Huntington Airp't.	30.28	24	29.59	7	.....	23	w.	5	86	52	69	....	206
Parkersburg	30.27	24	29.56	8	7.0	25	w.	16	81	46	56	47	211
Petersburg, W. Va.	30.27	25	29.52	10	.....	25	w.	22	81	49	56	....	233
Pittsburgh, Pa	30.24	24	29.59	10	10.7	37	nw.	16	78	49	54	53	284

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	57.2	.....	.....	2.38	3.11	3.60	3.18	.....	.....	.....	.....	.....
1892	62.2	96	32	3.62	6.67	4.83	5.04	.....	.....	.....	.....	.....
1893	59.5	92	30	4.90	4.35	4.84	4.51	.....	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	.....	13	16	9	6
1895	61.6	105	20	3.18	2.18	2.80	2.60	.....	9	12	11	8
1896	68.3	95	33	2.92	3.50	2.71	3.01	.....	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	.....	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	.....	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	.....	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	.....	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	.....	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	0.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	0.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	0.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	0.0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	0.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	0.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	0.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	55.5	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	0.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	0.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	55.5	93	23	8.74	7.12	6.72	7.20	0.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	0.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	0.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	0.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	0.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	0.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	0.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	0.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	0.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	0.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	19	1.67	1.22	1.50	1.38	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	0.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
1942	63.5	98	27	5.58	4.42	4.39	4.61	0.0	11	10	11	10
1943	63.5	96	17	3.71	5.04	4.41	4.59	T.	15	8	13	10
1944	67.2	95	25	4.23	4.40	4.38	4.35	T.	11	14	12	5
1945	57.9	95	19	3.79	5.08	5.41	5.01	0.2	14	12	10	9
Period	61.8	105	17	3.71	4.16	3.89	3.99	0.1	11	13	9	9

Climatological Data for May 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	53.2	−3.2	83	16	21	2	5.69	+1.39	1.20	10	T.	14	20	6	5	w.	Howard R. Fulk
Braudywine	Pendleton	1,586	29	58.4	−0.2	89	15†	21	2	2.83	−0.25	0.78	18	0	11	19	1	11	s.	E. L. Keister
Great Cacapon	Morgan	500	1	60.8	.....	95	21	26	2	4.33	.....	1.48	17	0	8	17	9	5	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	4.08	+0.64	0.97	18	0	12	..	.....	.....	.. ..	Miss Eleanor White
Inwood	Berkeley	569	12	58.8	.....	88	21	30	2	4.31	.....	1.25	18	0	9	16	11	4	w.	11. W. Prettyman
Kearneysville	Jefferson	548	15	60.6	−2.8	87	15†	28	2	3.60	+0.11	1.10	18	0	11	11	13	7	nw.	University Exper. Station
Martinsburg	Berkeley	435	53	59.6	−3.2	88	22	30	1	4.15	+0.76	1.28	18	0	12	10	11	10	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	58.6	−1.6	94	21	22	2	2.94	−0.29	0.72	17	0	8	13	10	8	w.	R. E. Saville
Petersburg	Grant	1,029	6	59.2	.....	92	15†	26	2	3.10	.....	0.79	26	0	11	6	12	13	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	58.3	−1.7	89	21	28	2	3.92	+0.27	1.09	10	0	12	12	9	10	nw.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	5.08	+0.48	1.07	11	1.4	15	9	6	16	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	27	58.0	−1.4	92	21	25	2	2.58	−0.38	0.53	17	0	14	....	.....	....	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	... ..	.....	.....	.....	.....	.....	4.78	+0.91	1.34	9	0	15	7	16	8	w.	L. Esle Bond
Benson	Harrison	1,080	20	59.0	−1.8	90	16	28	2	4.89	+0.96	1.55	10	0	15	11	14	6	.....	R. D. Marts
Bens Run	Pleasants	652	44	58.4	−4.6	86	14	34	2	6.43	+2.48	2.09	17	0	11	23	6	2	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	52.8	.....	83	16	20	2	5.92	.....	0.98	11	0	14	....	.....	..	.....	James I. Galloway
Brownsville	Lewis	1,032	21	60.4	+1.2	92	16	29	2	5.08	+0.85	0.88	17	0	13	13	11	7	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	57.1	−4.0	84	16	30	2	5.56	+1.13	1.20	10	0	16	17	8	6	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	59.4	−3.7	88	17	30	2	6.40	+2.98	1.80	17	0	12	8	20	3	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	53.2	.....	86	21	19	2	4.90	.....	1.10	10	3.0	16	5	21	5	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	55.8	−4.5	87	16	30	2	4.52	+0.84	1.47	11	0	14	17	6	8	w.	Clarksburg Water Board
Creston	Wirt	640	44	60.2	−2.9	89	17	32	1†	4.60	+0.89	1.30	17	0	12	7	18	6	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	50.6	.....	90	16	30	2	4.33	+0.26	1.19	10	0	19	17	4	10	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	5.55	+2.13	2.78	17	0	16	...	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	4.45	+0.85	1.20	10	0	16	...	..	...	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	5.52	+2.10	1.55	17	0	17	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	5.91	+2.45	1.20	17	0	15	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	6.26	+2.83	1.35	17	0	16	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	55.0	−2.7	87	21	26	2	4.12	+0.07	0.85	10	T.	16	3	13	15	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	59.6	−2.5	92	16	32	2	3.88	0.00	0.79	10	0	14	13	9	9	w.	J. C. Robinson
Glenville	Gilmer	738	57	61.6	−2.0	91	16	32	2	5.07	+0.95	0.99	10	0	15	13	16	2	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	56.1	−5.4	86	16	26	2	5.87	+2.19	1.52	10	0	14	18	6	7	.....	L. W. Clayton
Grantsville	Calhoun	760	1	.....	.....	.....	.....	.....	.....	4.70	.....	1.10	10	0	10	14	17	0	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	56.0	.....	84	16	29	2	3.72	.....	1.48	10	0	12	6	15	10	w.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	4.97	.....	1.08	10	0	16	13	11	7	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	3.95	−0.65	1.10	10	0	10	...	.....	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW.	Marion	974	43	57.7	−2.7	88	16	27	2	4.98	+0.97	1.01	10	0	18	13	9	9	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	4	57.9	.....	89	21	28	2	5.16	.....	1.52	17	0	14	15	6	10	w.	L. A. Crumrine
Morgantown, 2 miles N.	Monongalia	1,300	69	59.8	−2.3	89	16	30	2	4.21	+0.51	1.15	10	T.	14	....	.....	.....	. ..	State Dairy Farm
New Cumberland	Hancock	671	50	57.8	−2.4	86	16	22	2	4.50	+1.10	1.92	17	0	16	11	8	12	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	60.0	−3.0	89	21	32	2	5.13	+1.46	2.07	17	0	14	12	14	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	59.6	−4 2	86	16	36	11	5.21	+1.83	1.92	17	0	16	8	13	10	sw.	Section Center
Parsons	Tucker	1,649	46	57.0	−1.8	88	15†	27	2	4 96	+0.83	1.23	10	0	18	....	.....	....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	4.72	+0.45	1.25	18	T.	14	....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	50.1	−8.0	82	15	20	2	8.19	+2.94	1.93	10	1 0	16	15	9	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	4.32	−0.04	1.22	11	0	11	9	13	9	.... .	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	56.8	.....	89	14	29	2	5.88	+1.25	1.68	10	T.	15	8	2	21	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	... ..	.....	.....	.....	.....	.....	5.73	+2.22	1.14	17	0	15	...	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	6.31	+1.06	1.30	10	1.0	17	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	61.2	−0.4	92	22	30	2	4.87	+0.98	1.31	10	T.	15	11	13	7	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	57.4	−2.8	88	16†	26	2	4.88	+1.68	1.93	17	0	13	17	6	8	.....	George P. Pfister
West Milford	Harrison	979	19	..	.....	.....	.....	.....	.....	4.39	+0.66	1.48	10	0	12	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	61.6	−1.1	91	16	31	2	5.06	+1.22	1.09	11	0	18	....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	57.0	−4.8	84	16†	32	2	4.43	+1.33	1.30	17	0	16	18	1	12	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	.....	.....	.....	.....	.....	.....	4.13	.....	1.30	18	T.	9	....	.....	.....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	4.41	+1.00	1.00	17	T.	17	10	15	6	w.	H. S. Sutton
Athens	Mercer	2,600	5	56.0	.....	84	21	30	11	4.32	.....	1.13	17	T.	16	11	11	9	nw.	Concord College
Bluefield	Mercer	2,558	50	58.2	−3.4	86	21†	33	11	6.50	+3.38	1.77	29	0	18	15	7	9	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	61.5	−3.9	91	16	34	11	5.13	+1.35	1.12	16	0	18	12	10	9	. ...	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	59.6	.....	89	14†	31	11	6.84	.....	2.04	17	0	16	4	13	14	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	50 6	.....	80	15	20	2	6.44	.....	1.89	26	T.	20	13	10	8	w.	Department of Justice
Flat Top	Mercer	3,235	7	52.4	.....	81	21	28	11	5.42	.....	1.21	17	T.	16	5	15	11	nw.	U. S. Airway Station
Gary	McDowell	1,426	28	58.2	−2.9	88	20	32	11	5.19	+1.22	0.74	18	0	17	....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	59.8	.....	86	16	31	11	5.10	.....	1.30	16	0	11	5	16	10	w.	State Forest Nursery
Hamlin	Lincoln	641	2	59.6	.....	88	16	29	1	5.66	.....	0.78	26	0	18	13	8	10	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	59.0	−4.4	95	21	32	1	4.98	+1.43	1.31	18	0	15	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	62.8	−1.9	89	21	35	11	5.34	+1.37	1.44	16	0	15	12	11	8	nw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	5.87	+1.47	1.25	18	0	12	....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	James B. Stuart
Logan	Logan	700	32	60.8	−6.2	92	16	35	1†	6.20	+2.09	1.04	18	0	17	9	14	8	.....	Paul A. Simonds
London Locks	Kanawha	623	10	60.8	.....	91	21	35	1†	5.24	.....	0.77	26	0	18	.....	.....	...	se.	Lockmaster
Madison	Boone	675	24	58.8	−5.0	89	16	32	1	5.88	+1.55	0.81	26	0	17	5	11	15	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	55.6	.....	85	16†	29	11	5.22	.....	0.76	27	0	15	10	4	17	.....	M. H. Martin
Pineville	Wyoming	1,350	3	62.0	.....	94	21	30	1†	6.13	.....	1.08	18	0	17	20	2	9	.....	Charles Dameron
Point Pleasant	Mason	595	55	62.5	−2.2	88	16†	33	11	5.98	+1.97	1.27	17	0	16	15	1	15	w.	E. C. Winger
Rainelle	Greenbrier	2,424	14	55.6	−2.5	87	21†	27	2	6.38	+1.91	1.29	17	T.	17	15	5	11	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	56.2	−5.7	84	16	30	11	5.10	+1.39	1.37	17	0	13	9	9	13	sw.	Lockmaster
Richwood	Nicholas	2,193	14	58.6	−1.6	87	18†	27	2	5.54	+0.84	1.80	18	0	9	11	11	9	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Supt., State Forest
Spencer	Roane	789	46	58 8	−3.2	88	15†	32	1†	4.22	+0.57	0.74	10	0	15	5	17	9	.....	A. M. McKown
Summersville	Nicholas	1,900	9	54.8	....	86	21	26	2	6.41	.....	1.05	18	0	13	7	11	13	.....	A. E. Dorsey
Sutton	Braxton	850	42	60.5	−2.8	89	14†	30	2	4.57	+0.21	0.84	10	0	16	15	14	2	.....	C. B. Eakle
Union	Monroe	2,200	41	55.4	−5.5	86	16	30	2†	5.16	+1.96	1.50	18	0	12	...	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	13	58.8	.....	89	16	29	2	5.47	.....	1.95	17	T	9	14	9	8	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	59.2	−1.3	88	22	29	2	3.74	+0.27	1.06	27	0	12	2	16	13	w.	Ashford General Hospital
Williamson	Mingo	673	44	61.4	−3.6	91	16	34	11	5.81	+1.73	1.12	26	0	17	15	8	8	nw.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	59.4	.....	88	16	33	11	4.90	.....	0.98	17	0	15	13	5	13	sw.	Lockmaster
State averages and extremes	.....	.....	....	57.9	−3.9	95	21	19	2	5.01	+1.02	2.38	19	0.2	14	12	10	9	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for May 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.56		.30	.20	.04	.20		.21		1.20	.12		T.		T.	.58	.70	.78	.06			.18				.56			T.			5.69
Brandywine	do	.08		.32	.36	.02			.08		.31							.75	.03														
Brushy Run[2]	do	.03		.15	.31	.17	.03		.02		.12	.27						.03	1.15				.22				.12	.47		.21	T.		3.30
Harpers Ferry[2]	do			.02	.70	.25	.06	.04	T.	.40	T.	.41			T				.97	.18			.05					.92		.08			4.08
Inwood	do			.83	.18	.10			.12		.32							1.25				.26				1.00	.25					4.31
Kearneysville	do	T.		.81	.14	.06			.16		.33						.11	.99				.10				.35	.39	.16				3.60
Knobly Mountain[2]†	do	.35		.43	.45	.29	.05				.33	.60					.24	.41					.03			.24	.74		.23			4.39
Martinsburg[4]	do	T.		.83	.22	.01	.01		.12		.36					T.	1.27	.01				.22				.60	.37	.13				4.15
McNeill†	do	.14		.25	.52						.31						.28	.72				.14				.58			T.			2.94
Petersburg	do	T.		.58	.21	.02	T.		.02	.13	.33						.08	.54	T.			.18				.79		.22	T.			3.10
Piedmont	do	.31		.60	.37	.04			.06		.70	.39						.05	.51	T.		.05				.70	.14					3.92
Spruce Knob[2]†	do	.06	T.	.03	.12	.17	.22	.07	.13		.22	.82		T.			.62	.37	.14				T.			.17	.54		.34	T.		4.02
Stony River Dam[2]†	do	.10		.26	.38	.35	.25		.07	.08	.24	1.07					.08	.99					.09			.14	.85		.13			5.08
Wardensville[2]	do	.11		.13	.49	.20	.02		.07		.03	.29					.01	.53	.01				.22			.02	.45					2.58
Northern Division																																	
Aberdeen†	West Fork	.05		.39	.06	.27	.04		.61	1.34	T.			.08			.03	.80	.30	.11			.26				.31			.13			4.78
Belington[2]	Tygart	.11	.01	T.	.38	.59	.21	.03	.24	.11	.22	.85		.03	.01			T.	.79	1.57	T.			.18	T.		.09	.40		.06	.01		5.89
Benson†	West Fork	.05		.35	.26	.39	.05		.75		1.55	.05		.02				.55	.15	.05			.15				.32			.20			4.89
Bens Run	Ohio			1.03	.10				.45		.87					.40	.75	2.09	.06				.23				.15	.30					6.43
Big Skin Creek†	West Fork			.30		.25	.15		.65	.73	.35							.40	.50	.10		T.	.25				.10	.25				.01	4.04
Brandonville[2]	Cheat	.50		T.	.70	.16	.24		.61		.91	.98		.14					.86	.14							.20	.08		.16			5.92
Brownsville†	West Fork			.35	.37	.46	.09		.62	.80	.61					.10		.88	.12	.08			.30				.30						5.08
Buckhannon	Tygart	.04		.40	.18	.44	.07		.54		1.20			.04				.86	.59	.16			.17				.47	.01		.38	.01		5.56
Cairo	Litl.Kanawha			.24	.37	.11	.10		.52		1.40			.05			.60	1.80	.40				.26				.55						6.40
Canaan Valley	Cheat	.25		.48	.29	.18	.32		.22		1.10	.13		.07			.12	.74	.10	.15			.16				.49			.10			4.90
Clarksburg[2]	West Fork	.12		T.	.40	.35	.16		.59		.23	1.24		.11			.05		.69	.03				.20			.20	.15			T.		4.52
Crawford	do	T.		.35	.16	.25	.09		.52		.96		01				T.	.71	.19	.09			.23				.32			.09			3.97
Creston[2]	Litl.Kanawha	.02			.10	.20	.40		.32		.10	1.00					.51	1.30	.40	.05				.20		T.		T.					4.60
Dailey[2]†	Tygart	.11	T.	T.	.21	.31	.29	.03	.18	.10	.28	.56			T.			T.	.58	.07	.04			.36			.04	.24		.60	.07		4.07
Dam 10, Mon. R.[2]†	Monongahela.	.32	.05	.01	.23	.03	.09	.02	.44	.01	.22	.97		.05				.08	.61	.07		T.		.19	T.		.03	.06		.82			1.33
Dam 13, O. R.[2]†	Ohio	.12			.24	.16	.06	.03	.38	.01	.03	.57		T.			.28	1.90	.88			T.	.13			.03	.21		.52			5.55
Dam 15, Mon. R.[2]†	Monongahela	.42		T.	.40	.16	.27	.05	.50	.08	.21	.99		T.				.02	.66	.02			.23				.07	.12		.25			4.45
Dam 19, O. R.[2]†	Ohio	T.		.01	.32	.03	.27		.40		.01	.75		T.		.30	.31	1.55	.75	.01			.18				.43	.14	.03	.03			5.52
Dam 20, O. R.[2]†	do	T.		T.	.40	.05	.25		.50		.05	1.04		.05		T.	.48	1.20	.92	T.			.25				.40	.28	.02	.02			5.91
Elizabeth (Dam 3)[2]	Litl.Kanawha	.10			.32	.52	.35		.40		.10	1.10		.05		.12	.55	1.35	.40	.10			.32				.22	.26					6.26
Elk†	West Fork			.60		.40	.08		.65		1.30			.08				.98		.10				.35			.28						4.82
Elkins[1]†	Tygart	.02		.33	.09	.46	.05		.25	.21	.68	T.		.04			T.	.49	.23	.05	T.		.17				.34	T.	.69	.02		T.	4.12
Fairmont[2]	Monongahela.		.15	.30	.10	.26			.55		.37	.79	T.					.06	.60	.04				.25			.10	.16		.15			3.88
Glenville[2]	Litl.Kanawha	.17			.34	.41	.63		.54		.19	.80		T.			.11	.43	.52	.12			.21				.17	T.		.38	.05		5.07
Grafton	Tygart	.52			.47	.02	.12		.59		1.52	.02		.05				.94	.40	.13			.20		T.			.24		.65	T.		5.87
Grantsville	Litl.Kanawha			.30	.20	.40	.50		.50		1.10							1.00	.10				.20				.40						4.70
Hackers Creek†	West Fork			.21	.10	.30			.50		1.62						.21	.41	.18				.27				.35			.17			4.32
Hall[2]	Tygart	.04	T.	T.	.46	.11	.29	T.	.53	T.	.19	1.00		.03	T.			.71	1.39	1.29				.13			.08	.27		.06			5.87
Harrison Co. Arpt.[4]	West Fork			.39	.09	.11	.01		.55	.06	1.42			.10		T	T.	.57	.04	T.			.11				.27		T.	T.		T.	3.72
Hastings	Ohio	.20		.30	.08	.45	.18	.01	.61		1.08	.02				.10	.08	1.05		.02			.47				.22			.10			4.97
Horner	West Fork			.45	.10	.35	.08		.53		1.27				.11			.75	.18				.30				.34			.15			4.61
Ireland	do	.08		.24	.38	.31					1.03							.34	.63								.28			1.73			5.02
Jane Lew	do	T.		.42	.21	.20					1.10			.02				.80	.55				.20				.35			.10			3.95
Kumbrabow St. For.†	[2]Tygart	.27		.31	.40	.81	.54		.51		1.58	.11		.27			.18	1.10	.33	.40			.35				.58		.05	.21	.28		8.28
Mannington	Monongahela.	.30		.41	.49	.23	.11		.55		1.01	.01		.01		.05		.87	.03	.03			.16				.24	.01	.41	.06			4.98
Middlebourne[2]	Middle Is. Creek				.29	.22	.29		.54		.05	.83		.02			.20	1.52	.44	T.				.25			.05	.26		.20			5.16
Midvale[2]†	Tygart	.10		T.	.53	.12	.46	T.	.34	.06	.27	.80		.10	T.			.35	1.44	1.84			.16				.15	.18		.37	.03		7.30
Morgantown	Monongahela.	.33		.23	.11	.06	.02		.52		1.15			T	.06			.74	T.	.03			.14	T.			.08	.68	.06			T.	4.21
Mt. Clare	West Fork	.11		.40	.39	.16			.78		1.45							.75	.02				.24				.31						4.61
New Cumberland	Ohio	.09		.34	.04	.06	.15		.32		.59	T.		.25		.01	.17	1.92		T.		.08	.05			.09		.28		.06		4.50
New Martinsville	do	.20		.17	.23	.22	.02		.35		.84			.02		.03	.29	2.07	T.	T.			.11				.35		.23			T.	5 13
Parkersburg[1]†	do			.30	.05	.34		.02	.40	.01	.76		T.	.01		.11	.76	1.67	.01			.19		.03		.45		.10	T.		T	5.21
Parsons	Cheat	.08		.36	.37	.24	.23		.34		1.23	.06		.03			.15	.53	.49	.15		T.	.06				.46	.14	T.	.02	.02		4.96
Philippi[2]	Tygart	.23		T.	.37	.02	.25	T.	.51	T.	.21	1.10		.02	.01				1.25	.29	T.			.20	T.		.10	.16	T.		T.		4.72
Pickens	do	.17		.84	.28	1.03	.50				1.93	.04		.28			.06	1.19	.49	.33			.20				.45		.30	.10			8.19
Roanoke	West Fork			.33	.35	.14	.05		.56			1.22					.24	.87				.23				.30	.03			T.		4.32
Rockford†	do	.06		.40	.16	.19	.07		.59		1.15	.01						.80		.10			.25				.30			.06		T	4.14
Rowlesburg[2]	Cheat	.55	T.	.05	.51	.07	.31	.07	.29	.21	.36	1.32			T.			T.	.85	.40				.30			T.	.49		.10			5.88
Saint Marys[2]	Ohio	.03			.30	.42	.12		.52		.03	.91		.03			.70	1.14	.81				.27				.23	.16		.06			5.73
Salem	West Fork	T.		.47	.07	.29	.03		.75			1.50			.15			.74	.09				.19				.26						4.54
Shinnston	do				.20	.30			.60		1.24	.01		.05				.79					.10				.05			.50			3.84
Thomas[2]	Cheat	.40		.02	.28	.40	.46	.10	.15	.09	.20	1.30		.05				.33	.80	.40	T.						.05	.60		.68			6.31
Valley Chapel	West Fork			.40	.28	.30	.10		.59		1.31			.02		T.		.79	.27	.10			.25	T.			.30	.01		.14	.01		4.87
Valley Head[2]	Tygart	.15	T.	T.	.25	.34	.72	.02	.13	T.	.43	.86		.07	.02				.88	.46	T.			.17			.10	.44		.36	.19		5.59
Vandalia†	West Fork	.04		.37	.04	.43			.65		1.08			.04				.71	.12				.14				.30		.10				4.02
Wellsburg (near)	Ohio	.25		.30	.06	.48	T.		.42		.71			.16		T.	.15	1.93				.08	T.			.14		.12		.08		4.88
West Milford	West Fork	.10		.40	.22	.20	.22		.66		1.48							.56	.10	.05			.10				.30						4.39
Weston[2]	do	.05			.36	.34	.38	.05	.24	.18	.14	1.09		.05	T.		.05	.04	.58	.31				.22			.06	.38		.54	T.		5.06
Wheeling (Dam 12)[2]	Ohio	.21			.21	.13	.14	.02	.39	T	.02	.65		.03			.17	1.30	.86					.06			T.	.19		.04	.01		4.43
Southern Division																																	
Alderson	Greenbrier	T.		T.	.22	T	.22	T.	.20									T.	1.30	T.			.25				.78	.74	.12	.30			4.13
Arbovale	do	.15		.23	.08	.11	.15		.26		.68	.01		.01			.04	1.00	.10								.92	.01		.48	.04		4.41
Athens	New		.03	.12	T.	.13	.02		.18		.11		.02	.17		.02	.01	1.13	.73	T.			.10				1.04			.24	.27		4.32
Bluefield	New		.11	.22	.04	.06	.46		.28		.26		.03	.21		.12	.14	1.22	.70	.07			.09				.72			.69	1.08		6.50
Camden-on-Gauley[2]	Gauley			.05	.18	.45	.46		.35	.04	.40	.62							.94	.47	.02			.22			.10	.65			.17		5.12
Charleston	Gr. Kanawha.	.03		.36	.11	.18	.41		.32		.20	.48				.01	.31	.78	.41	.09			.19				.61	.01		.22	.38		5.13
Charleston (Airport)[4]	do			.55	.15	.38	.03	T.	.18	.16	.56		T.			.79	1.54	.80	.09	T					.28		.46		.40	.28			6.84
Clay	Elk				.28	.07	.15	.26	.04		.21	.17						.31	.23	.19			.19				.21	.11	.10		.15		2.60
Flat Top[4]	New		.06	.20	.15	.52	.03		.35	T.	.33		.10				.07	1.21	.46	.02			.28		.15	1.00						5.42
Gary[2]	Big Sandy			.06	.29	.18	.37		.37		.02	.27		.13			.15	.14	.74	.27			.26				.69		.17	.71	.37		5.19
Greenbottom†	Ohio			.44	.06	.46			.63								1.30	.96	.15				.22				.69			.13	.06		5.10
Hinton[2]	New			.15	.21	.13	.27	.02	.17	T.	.01	.13						.70	1.31	.30							.84	.34			.28		4.98
Hogsett[2]	Ohio			.08	.20	.25	.26		.26	.04	.18	.65		T.		T.	.95	.49	.79	.02			.12				.60	.10		.06	.02		5.35
Huntington	do			.40	.50	.27	.02		.20		.54					T.	1.32	.89	.09	.01			.40				.64		.08	.20	.03		5.34
Kayford[2]	Gr. Kanawha				.55	.52	.60		.40		.35								1.25	.22			.15		T.		.20	.21		.53	.92		5.87
Lewisburg	Greenbrier																						.12										
Logan[2]	Guyandot	.11		.22	.29	.19	.44		.42	T.	.09	.35		T		.10	.72	1.04	.27				.12			1.00	.14		.41	.29		6 20
London Locks[2]†	Gr. Kanawha.	.09			.57	.26	.61	T.	.42	.04	.18	.53		.08			.04	.07	67	.28			.14				.40	.37		.04	.45		5.24
Madison[2]	Coal	.08		.22	.19	.24	.49		.48	T.	.13	.40		.12			.19	.65		.25			.19				.81	.16		.57	.71		5.88
Oak Hill[2]	New			.33	.08	.72	.02		.34	.06	.40		.01					.75	40	.04		.30				.36	.76		.65			5.22
Pineville[2]	Guyandot			.39	.35	.21	.52	T.	.38		.28	.17		.24			.04	.25	1.08	.11			.07				.88	.05	T.	.68	.43		6.13
Point Pleasant[2]	Ohio	T.		.13	.28	.18	.28		.34	T.	.20	.75		.77		.10	.56	.62	.65			T.	.39				.60	.11	.02				5.98
Princeton[2]	New		.06	.14	.02	.29		.27			.16		.13	.02			.48	.46	1.00	.04			.05				.65	.44	.12	.24			4.57
Rainelle	Greenbrier	.05	.05	.30	.20	.32	.48		.42		.50			.04				1.29	.26	.19							1.18	.36		.25	.38		6.38
Ravenswood[2]	Ohio			T.	.36	.03	.09		.40		.08	.70		T.		T.	.44	1.37	.75								.45	.30	.05	.08			5.10
Richwood[2]	Gauley			.42		.31			1.12		.26	.24							1.80								.52	.73		.14			5.54

Continued on next page.

Daily Precipitation for May 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio			1.02	T.				.32								1.03	2.22	.20														§§
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier																																
Spencer [2]	Litl.Kanawha	T.		.13	.44	.22	.20		.26	.33	.74						.26	.48	.41	.07	.03						.52	.12			.01		4.22
Summersville [2]	Gauley				.33	.55	.84		.41		.44	.67							1.05	.35				.24			.50	.28		.55	.20		6.41
Sutton	Elk	.13		.31	.15	.32	.20		.51		.84				.06			.62	.24	.11			.35				.40	.12		.13	.08		4.57
Union [2]	New			.15	.20	.10	.25		.22			.25							1.50	.14							.90	.75		.27	.43		5.16
Wayne [2]	Twelvepole			.37	.18	.73	.39		.25		.06	.42					.89	.26	.56	.05			T.	.14			.57	.31			.47		5.65
Webster Springs	Elk	T.				.21	.45	.43			.42							1.95	.72				.67				.15			.47			5.47
White Sulp'r Spgs.	Greenbrier		T.	.28	.03	.12	.20		.25		.26		T.					.82	.07				.19				.93	.13			.46		3.74
Williamson [2]	Big Sandy			.25	.20	.28	.22		.47		.19	.28			.03		.08	.44	.88	.18					.25		1.10	.02		.62	.32		5.81
Winfield Locks [2†]	Gr. Kanawha	.04		.04	.41	.13	.31		.17		.18	.54					.38	.98	.84	.01					.14		.64	.09					4.90

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for May 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	50	56	48	48	49	54	73	62	58	55	55	74	74	79	82	83	76	59	69	78	82	76	63	72	72	72	74	80	72	68	68	67.0
	Minimum	32	21	36	35	37	36	30	45	35	41	32	27	55	34	45	46	54	47	38	28	32	40	46	32	28	46	50	47	48	47	52	39.4
Bluefield	Maximum	57	51	54	55	48	*62*	75	74	66	65	59	62	*68*	80	80	82	74	70	50	76	86	86	72	68	76	76	*76*	79	78	*73*	78	69.5
	Minimum	36	36	38	38	38	37	*39*	43	42	51	33	39	*56*	49	61	59	50	48	39	38	52	60	48	45	44	55	*56*	56	63	*55*	54	47.0
Brandywine	Maximum	59	61	53	50	55	61	76	72	67	64	70	75	78	84	89	88	76	74	70	75	89	84	70	70	77	72	79	84	83	76	78	72.9
	Minimum	33	21	36	35	30	36	30	45	31	42	30	28	44	40	37	48	52	47	42	28	41	54	48	30	28	50	49	54	53	51	53	43.8
Buckhannon	Maximum	58	63	58	54	49	63	74	72	62	59	57	68	72	79	82	84	81	59	63	72	81	80	69	67	74	74	74	83	73	70	74	69.3
	Minimum	39	30	44	39	40	41	37	50	37	45	33	34	57	43	57	56	50	48	42	34	46	58	45	37	36	55	55	53	55	50	47	44.9
Cairo	Maximum	63	66	65	59	55	62	78	80	69	64	60	72	75	82	86	86	88	61	66	76	85	87	71	71	76	78	78	84	84	74	77	73.5
	Minimum	34	30	47	41	44	43	35	50	35	47	31	33	57	43	53	59	60	52	46	35	45	55	43	37	37	57	54	55	53	49	45	45.3
Charleston (Airport)	Maximum	58	60	60	51	52	70	82	68	68	62	64	71	78	89	89	89	73	60	70	83	88	78	72	73	83	72	84	85	76	76	80	73.0
	Minimum	33	36	43	42	43	43	39	42	38	35	31	36	51	48	56	60	59	47	43	43	49	51	45	42	43	58	57	56	56	53	51	46.1
Clarksburg [3]	Maximum	53	66	56	54	50	60	75	65	62	55	60	74	71	84	83	87	70	*60*	66	77	86	77	67	68	79	68	78	81	74	72	70	69.3
	Minimum	39	30	31	41	40	41	36	37	36	38	33	34	35	43	45	58	60	51	44	37	37	47	37	37	40	54	54	53	48	45	42	42.2
Cranberry Glades	Maximum	48	48	50	44	40	58	70	65	60	54	56	68	67	77	80	79	65	52	56	69	79	70	62	63	71	58	70	78	70	68	70	63.4
	Minimum	29	20	32	31	33	33	29	40	33	40	30	26	51	34	47	50	48	42	36	26	34	47	43	27	25	48	43	45	56	50	42	37.7
Elkins	Maximum	49	59	54	50	47	60	76	65	59	58	59	75	70	82	84	82	73	58	62	75	87	77	65	65	75	63	76	82	71	70	71	67.7
	Minimum	28	26	40	37	36	40	36	46	36	37	35	30	48	41	57	53	48	43	38	31	42	56	43	34	32	53	54	50	56	52	52	42.3
Fairmont [3]	Maximum	46	68	57	55	52	66	81	69	68	55	68	81	78	88	90	92	72	*61*	71	80	89	80	69	78	80	66	83	86	79	77	77	73.0
	Minimum	39	32	39	41	43	40	39	50	38	45	33	35	53	45	59	57	61	51	44	38	50	61	49	39	39	51	55	56	52	50	45	46.1
Flat Top	Maximum	45	38	52	42	42	59	70	57	61	55	58	68	69	76	77	80	68	53	54	74	81	70	63	63	70	59	74	76	73	66	70	63.3
	Minimum	30	31	33	32	32	34	35	43	40	35	28	31	48	44	57	52	49	39	33	32	52	49	40	38	36	51	58	57	52	52	50	41.5
Gary [3]	Maximum	50	49	59	52	52	67	79	65	68	61	65	68	74	85	83	86	79	*57*	82	88	77	70	75	81	78	79	80	84	81	74	78	71.8
	Minimum	33	35	39	38	39	39	37	41	36	38	32	35	40	49	49	56	57	52	44	44	51	43	42	42	46	*57*	*54*	54	57	57	49	44.7
Glenville	Maximum	60	66	62	59	56	68	83	82	68	63	65	77	78	89	90	91	90	85	71	80	90	89	72	76	83	80	81	85	85	77	80	76.8
	Minimum	37	32	46	43	39	42	38	49	37	46	33	36	51	46	57	59	58	51	45	39	46	58	53	40	39	57	56	57	56	50	47	46.5
Grafton	Maximum	56	64	64	50	51	57	74	74	59	60	57	72	74	79	80	86	84	71	62	71	84	83	74	69	77	77	76	80	81	74	74	70.8
	Minimum	33	26	41	36	38	39	31	46	33	41	29	30	54	40	52	53	55	46	40	32	42	51	43	34	33	51	52	50	48	45	38	41.4
Huntington	Maximum	62	59	59	52	54	73	82	79	67	63	64	70	81	88	87	88	84	71	72	83	89	86	77	76	83	76	83	86	78	79	82	75.3
	Minimum	37	40	47	43	44	45	42	51	43	48	35	40	56	50	59	62	59	52	48	44	58	63	50	47	47	59	56	61	61	57	55	50.3
Logan [3]	Maximum	61	53	60	53	55	71	83	70	70	61	66	65	80	90	87	92	75	*64*	71	84	91	80	75	77	86	70	86	88	81	77	84	74.4
	Minimum	35	35	42	42	44	43	41	42	42	42	35	36	40	55	55	58	64	53	47	46	46	53	48	47	45	48	56	56	58	58	54	47.3
Madison [3]	Maximum	60	56	60	53	55	70	81	59	68	61	65	69	78	87	85	89	73	*61*	68	81	87	78	72	72	86	70	82	85	80	75	79	72.4
	Minimum	32	36	41	41	41	41	38	41	39	41	33	35	36	47	50	58	61	52	44	42	42	*54*	45	46	45	42	57	55	59	56	52	45.2
Mannington	Maximum	56	65	62	53	51	66	78	74	63	58	64	76	77	85	87	88	84	64	70	77	87	85	68	74	78	69	79	83	75	79	73	72.5
	Minimum	38	27	45	38	41	42	32	48	33	45	31	32	56	41	51	52	57	49	43	32	42	54	44	35	33	53	52	52	49	45	38	42.9
Martinsburg	Maximum	53	59	48	53	57	57	74	67	67	56	62	75	79	79	87	85	80	71	70	71	85	88	71	71	74	62	73	79	79	76	76	70.5
	Minimum	30	41	41	39	43	36	49	48	48	42	36	46	48	55	59	62	55	51	39	47	57	58	47	41	51	57	60	60	56	58	54	48.8
Morgantown	Maximum	56	67	63	55	56	64	70	67	67	55	63	80	77	84	86	89	70	62	71	79	86	79	71	74	84	66	84	85	78	77	78	72.4
	Minimum	32	30	46	42	48	43	39	48	41	44	35	36	58	46	63	56	58	52	44	39	52	64	51	40	41	57	55	57	52	49	48	47.3
New Martinsville	Maximum	57	67	64	56	54	68	80	76	65	60	64	77	78	85	87	88	84	64	70	77	89	80	71	74	80	72	82	85	77	76	75	73.6
	Minimum	38	32	43	39	43	43	38	50	38	46	33	35	58	45	55	57	61	52	45	39	52	61	48	39	38	57	55	59	52	48	44	46.5
Parkersburg	Maximum	56	62	55	54	50	68	78	65	62	53	61	74	76	84	84	86	69	58	67	77	85	76	69	72	76	71	81	86	73	72	75	70.2
	Minimum	38	38	43	40	44	44	44	51	42	41	36	39	54	48	61	62	58	47	47	42	57	60	51	42	46	59	56	64	56	53	55	48.9
Petersburg	Maximum	52	62	48	55	55	63	79	67	67	59	64	82	78	85	92	88	78	71	67	76	92	87	70	72	79	62	82	90	83	78	76	72.9
	Minimum	29	26	42	39	40	39	34	50	44	42	38	33	52	44	59	55	51	50	42	36	46	60	46	40	36	54	57	55	59	57	58	45.6
Pickens	Maximum	48	51	52	40	45	54	64	68	72	56	54	70	64	75	82	78	60	52	64	75	78	74	65	60	73	74	76	72	74	75	74	65.1
	Minimum	25	20	25	30	26	31	29	34	35	25	25	29	35	35	50	48	45	35	32	26	43	48	38	27	27	41	46	50	42	43	43	35.1
Point Pleasant	Maximum	62	64	62	54	55	69	81	80	67	65	64	74	77	88	86	88	88	71	71	79	87	86	71	75	81	78	83	85	85	77	79	75.2
	Minimum	36	38	46	42	44	45	43	49	42	46	33	39	58	49	59	62	63	55	47	42	54	68	52	45	47	59	54	62	56	53	55	49.8
Rainelle	Maximum	57	51	55	51	47	62	82	71	64	58	61	72	73	83	86	64	77	70	64	76	87	87	70	69	78	75	78	80	76	71	74	70.0
	Minimum	31	27	38	34	32	35	41	42	32	44	32	29	51	40	48	54	50	46	38	31	39	47	42	34	32	52	52	47	59	53	43	41.1
Spencer [3]	Maximum	59	62	60	54	50	69	80	63	59	58	63	74	78	86	88	88	88	*61*	70	80	86	76	71	82	72	78	82	85	74	77	80	72.7
	Minimum	32	33	38	40	41	43	37	39	41	33	32	34	48	44	49	60	61	53	45	36	48	51	45	38	46	54	52	56	57	50	50	45.0
Summersville	Maximum	52	53	55	50	44	62	77	63	62	56	58	73	73	83	84	84	72	62	61	78	86	85	67	70	77	62	76	81	73	72	74	68.5
	Minimum	33	26	28	36	37	36	30	41	32	42	36	32	42	37	50	54	49	55	40	31	38	54	40	36	38	48	54	55	46	49	48	41.1
Sutton	Maximum	64	58	61	61	54	67	81	81	67	54	64	71	76	89	89	89	89	71	68	81	89	89	85	72	80	80	82	82	82	78	79	76.3
	Minimum	36	30	46	40	42	43	36	50	35	46	33	34	56	45	57	57	56	51	45	38	44	55	44	39	37	52	56	54	60	52	49	45.7
Wardensville [3]	Maximum	52	60	47	56	58	59	71	67	61	62	63	77	78	85	89	89	80	71	69	74	92	85	70	74	77	65	79	84	82	77	76	71.9
	Minimum	36	25	40	40	33	37	31	51	35	44	38	31	48	40	57	52	57	50	48	35	42	54	56	37	33	51	52	53	56	55	53	44.2
Weston	Maximum	62	69	60	61	55	68	88	69	80	60	69	78	79	89	90	91	82	65	70	82	90	78	70	75	84	65	84	80	78	76	79	75.0
	Minimum	40	31	49	46	42	44	39	58	40	48	34	35	58	46	60	60	62	54	45	38	48	64	52	40	38	60	60	45	60	52	49	48.3
Wheeling [3]	Maximum	54	63	51	55	55	66	77	65	61	49	61	74	74	83	80	84	72	56	68	74	84	75	67	71	79	72	81	80	75	72	71	69.3
	Minimum	39	32	47	41	43	43	42	45	39	46	36	35	41	45	49	53	51	*46*	46	39	37	62	46	41	40	44	55	56	51	46	48	44.6
Williamson [3]	Maximum	63	53	63	54	58	73	83	71	70	62	68	66	82	90	87	91	74	*63*	71	85	90	89	76	78	86	70	85	89	83	76	84	75.3
	Minimum	35	35	44	43	43	43	41	42	42	42	34	36	38	53	54	58	63	53	48	46	48	52	47	46	45	50	58	57	60	58	54	47.4

Daily Evaporation (inches) and Wind Movement (miles) for May 1945

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.105	.143	.116	.044	.132	.005	.075	.188	.341	.167	.064	.121	.139	.073	.270	.076	.209	.084	.035	.187	.148	.200	.266	.190	.163	.156	.005	.150	.173	.193	.262	4.480
	Wind movement	74	77	25	13	26	83	62	42	123	56	100	14	88	25	16	41	29	31	84	49	9	26	131	95	16	19	14	9	74	52	57	1,560
Wardensville	Evaporation	.199	.124	.125	.003	.044	.156	.061	.279	.237	.217	.100	.180	.158	.292	.236	.211	.143	.113	.221	.139	.381	.....	.....	.....	.....	.280	.017	.130	.053	.377	.355	4 821
	Wind movement	73	54	60	7	46	60	33	67	53	50	97	4	61	85	46	40	31	53	85	*	53	116	122	57	39	87	33	26	80	80	74	1,722

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—7-28-45—925)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

S. S. SCHWORM
PARKERSBURG, W. VA.

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VOL. LIII JUNE 1945 No. 6

GENERAL SUMMARY

The most noteworthy feature of the month was the record low temperatures recorded at many stations on the 6th. At Pickens, the minimum temperature of 22° was the lowest ever recorded in the State for June. Minimum temperature records were broken at three stations in the northeastern panhandle division, eight in the northern division and five in the southern division, while at one station in the northeastern panhandle division, three in the northern division and three in the southern division their respective minima extremes for June were equalled. Sixteen stations reported killing frost on the 6th. The cold period persisted from the 3d to the 8th inclusive while moderate temperatures prevailed from the 10th until near the close when very warm weather set in.

Precipitation averaged somewhat below normal and was concentrated for the most part in the first two decades of the month. Hail did considerable damage to corn, oats and gardens in the vicinity of Montrose, Mill Creek, and Grantsville on the 2d.

With the soil cold and wet, the abnormally cold weather of the first week plus the frequent rains, caused crop advancement to be very much retarded during the first half of the month. Some bottomland corn was not planted until near the end of the month. Cultivation of the hoe crops was much delayed by the frequent showers until after the 20th. The harvest began auspiciously in the last decade of the month amid warmer weather, clearing skies and more nearly normal amounts of sunshine. Very heavy cuttings of alfalfa, clover, and timothy hays were being secured at the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 68.3°, or 1.5° below the normal. The mean for the northeastern panhandle division was 68.9°; for the northern division, 67.7°; and for the southern division, 68.7°. The highest monthly mean was 72.4° at Kearneysville and the lowest, 59.7° at Cranberry Glades. The highest temperature was 102° at Pineville on the 30th and the lowest, 22° at Pickens on the 6th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 3.82 inches, or 0.63 inch below the normal. In the northeastern panhandle division, the average was 3.51 inches; in the northern division, 4.05 inches; and in the southern division, 3.62 inches. The greatest monthly precipitation was 7.46 inches at Elkins, and the least, 1.17 inches at Clay. The greatest amount in any 24 consecutive hours was 2.38 inches at Glenville on the 2-3d. The average number of days with 0.01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	..	5	3	2	23	17	10	13	8	1	8	6	9	2	3	2	1	7	12	13	19	16	17	23	6	22	9	3	2	..
Frosts killing	..	..	..	..	..	16	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	4	1	1	1	2	..	..	1	2	..	1	1	1	..	4	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	4	..	..	..	..	..	..	..	1	1	..	..	..	1	1	..	..	..	..	..	..	..	..	..	1	1	..	1	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..
Halos, solar	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	2	28	4	..	..	..	..	..	13	33	25	11	14	11	18	12	26	16	3	..	6	2	..	..	11	4	1	..	..	3	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.24	6	29.61	2	6.0	32	w.	30	89	61	67	55	52
Columbus, Ohio	30.24	6	29.59	2	8.4	36	s.	14	82	59	63	52	56
Elkins	30.28	6	29.64	3	5.4	30	nw.	2	94	65	79	53	95
Huntington Airp't.	30.24	6	29.64	2	.....	32	w.	16	89	59	74	....	64
Parkersburg	30.25	6	29.62	2	5.6	26	nw.	30	84	55	64	39	66
Petersburg, W. Va.	30.27	6	29.64	3	....	35	s.	6	86	50	69	....	69
Pittsburgh, Pa	30.24	7	29.61	2	8.6	38	sw.	16	79	54	62	50	81

COMPARATIVE DATA FOR JUNE

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	.....	.....	3.40	5.40	4.97	5.02	0	.....	.....	.....	.....
1892	74.1	99	41	4.30	3.85	3.77	3.90	0	.....	.....	.....	.....
1893	70.2	99	40	2.06	3.51	4.87	3.81	0	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	0	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	0	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	0	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	0	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	0	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	0	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	0	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	0	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	0	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	0	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	0	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	0	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	0	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	0	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	0	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	0	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	0	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	0	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	0	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	0	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	0	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	0	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	0	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	0	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	0	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	0	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	0	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	0	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.51	4.66	0	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	0	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	0	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	0	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	0	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	0	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	0	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	0	8	16	9	5
1930	68.9	105	27	3.40	3.39	1.77	2.87	0	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	0	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	0	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	0	7	18	9	3
1934	74.3	106	41	2.94	3.88	3.07	3.45	0	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	0	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	0	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	0	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	0	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	0	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	0	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	0	14	11	10	9
1942	71.4	99	35	4.16	5.38	5.32	5.17	0	14	9	13	8
1943	**75.0**	102	42	2.69	3.36	4.42	3.64	0	10	15	11	4
1944	71.9	103	28	2.91	5.61	2.90	4.19	0	11	13	11	6
1945	68.3	102	**22**	3.51	4.05	3.62	3.82	0	11	12	10	8
Period	69.8	109	22	3.90	4.61	4.40	4.45	0	11	13	10	7

Climatological Data for June 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	62.8	−0.7	89	30	28	6	3.77	−1.36	0.95	15	0	15	21	5	4	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	66.6	−0.4	99	30	24	6	2.59	−1.29	1.25	19	0	9	18	4	8	s.	E. L. Keister
Great Cacapon	Morgan	500	1	71.1	.....	101	30	37	5	4.05	.....	1.15	10	0	10	12	14	4	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	..	.....	.....	.....	.....	.....	6.41	+2.76	1.84	18	0	10	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	71.4	.....	100	30	36	6	4.30	.....	1.75	18	0	8	11	14	5	w.	H. W. Prettyman
Kearneysville	Berkeley	548	15	72.4	+0.5	100	30	35	5	3.67	+0.04	2.20	18	0	7	15	11	4	w.	University Exper. Station
Martinsburg	Jefferson	435	53	70.6	−0.4	98	30	37	5	3.26	−0.88	1.24	18	0	11	14	6	10	sw.	U. S. Weather Bureau
McNeill, 2 miles NE	Berkeley	800	11	67.9	+0.1	101	30	28	6	3.75	+0.15	0.79	18	0	12	11	13	6	w.	R. E. Saville
Petersburg	Hardy	1,029	6	69.4	.....	100	30	32	6	3.27	.....	1.08	19	0	13	3	13	14	s.	U. S. Weather Bureau
Piedmont	Grant	1,053	31	68.4	+0.3	96	30	35	6	3.20	−0.86	1.29	15	0	11	7	13	10	w.	C. A. Suter, Jr.
Stony River Dam	Mineral	3,300	13	.....	.....	.....	.....	.....	.....	3.85	−0.17	0.70	3	0	13	5	5	20	w.	Fred Becker
Wardensville, 2¼ mi. NE	Hardy	1,200	27	68.6	+3.1	99	30	30	6	4.97	+1.97	2.12	11	0	11	.....	...	....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	5.39	+1.03	1.50	10	0	11	3	17	10	w.	L. Esle Bond
Benson	Harrison	1,080	20	68.8	+0.6	94	14†	32	6	3.51	−0.80	0.90	19	0	10	6	17	7	.....	R. D. Marts
Bens Run	Pleasants	652	44	.....	.....	89	24	40	6	3.39	−0.83	1.15	11	0	9	20	6	4	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	62.6	.....	90	14†	26	6	4.40	.....	0.98	11	0	9	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	70.0	+0.5	96	14†	33	6	3.91	−0.40	1.18	3	0	9	17	9	4	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	66.6	−1.8	90	29†	31	6	4.75	+0.04	1.78	2	0	12	18	6	6	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	69.2	−1.1	95	15	32	6	4.06	−0.45	1.03	11	0	10	5	23	2	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	62.1	.....	88	30	26	7	4.97	...	0.98	3	T.	15	0	25	5	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	67.2	−2.2	93	29	33	6	2.49	−1.78	1.10	11	0	7	11	9	10	sw.	Clarksburg Water Board
Creston	Wirt	640	44	69.4	−1.3	95	29	34	7	4.26	−0.12	1.30	10	0	9	5	17	8	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	68.4	.	95	30	38	6†	4.47	+0.13	1.39	11	0	11	19	5	6	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	3.12	−0.71	0.74	11	0	12	.....	.....	..	....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	...	.....	.....	.....	3.91	−0.08	1.07	11	0	10	..	.	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.09	−0.83	0.94	11	0	10	....	...	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.35	−0.64	0.95	11	0	11	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	2.41	−1.80	0.81	12	0	7	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	65.4	−0.2	90	30	31	6	7.46	+2.40	2.02	26	0	16	4	10	16	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	70.5	+0.2	98	30	37	6	3.86	−0.55	.....	.....	0	12	14	10	6	w.	J. C. Robinson
Glenville	Gilmer	738	57	71.2	+0.1	97	14†	37	6	5.53	+1.14	2.38	3	0	12	17	11	2	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	66.8	−2.3	93	14	33	6	2.99	−1.14	1.39	19	0	8	16	6	8	.....	L. W. Clayton
Grantsville	Calhoun	760	1	.....	.....	.....	.....	.....	.....	4.90	.	1.80	2	0	8	17	13	0	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	67.5	....	94	30	31	6	2.31	.....	0.71	19	0	9	6	11	13	s.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	4.20	.....	1.33	11	0	12	10	17	3	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	3.05	−1.02	1.03	20	0	7	.....	.....	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	43	68.0	+0.2	95	30	33	6	6.00	+1.72	1.08	10	0	12	9	11	10	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	4	68.6	.....	96	29†	33	6	3.66	.....	1.02	11	0	13	11	5	14	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	68.6	−0.7	92	30	34	6	3.66	−0.58	1.06	10	0	10	.....	.....	.....	sw.	State Dairy Farm
New Cumberland	Hancock	671	50	67.8	−0.4	95	29	35	5	3.33	−1.22	0.67	3	0	12	15	6	9	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	71.0	−0.1	98	30	38	6	6.07	+1.96	1.90	17	0	11	13	13	4	s.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	70.2	−1.2	95	29	38	6	3.38	−0.62	1.32	11	0	12	7	13	10	se.	Section Center
Parsons	Tucker	1,649	46	67.4	+0.5	94	30	33	6	4.14	−0.85	1.10	2	0	14	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	3.01	−1.68	0.82	10	0	10	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	60.0	−4.9	91	29	22	6	5.61	−0.19	0.96	15	0	16	15	8	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	...	.....	.....	.....	.....	.....	4.80	+0.49	1.06	2	0	10	13	8	9	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	68.2	.....	97	14	38	6†	3.27	−2.10	0.81	3	0	10	3	0	27	sw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	...	.....	.....	.....	.....	.....	4.51	+0.34	2.17	11	0	6	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	6.36	+1.25	2.00	26	0	13	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	70.8	+1.2	100	15	33	6	3.28	−0.47	1.12	19	0	13	13	11	6	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	67.7	−0.3	95	14†	34	6	4.32	+0.18	1.16	17	0	10	18	8	4	.....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	2.79	−1.48	0.85	19	0	8	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	71.8	+1.4	99	14†	35	6	4.73	+0.39	1.20	11	0	12	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	68.7	−1.9	93	14†	40	6	2.96	−0.93	0.88	17	0	10	13	4	13	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	69.5	.....	.....	.....	36	6	2.76	.....	0.70	19	0	8	....	....	....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	..	.....	2.39	−1.36	0.48	19	0	10	12	11	7	w.	H. S. Sutton
Athens	Mercer	2,600	5	66.1	.....	88	30	37	6	3.19	.....	1.96	19	0	12	11	11	8	w.	Concord College
Bluefield	Mercer	2,558	50	67.9	−2.2	90	29†	38	4	3.97	−0.26	1.78	19	0	15	16	5	9	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	71.8	−1.3	97	14	39	6	4.28	−0.11	1.18	11	0	12	16	9	5	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	70.6	.....	96	14†	39	6	4.52	.....	1.38	11	0	14	2	17	11	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	59.7	.....	87	30	24	6	3.08	.....	0.85	19	0	14	12	9	9	w.	Department of Justice
Flat Top	Mercer	3,235	7	62.6	.....	86	30	32	6	4.11	.....	1.02	19	0	15	7	14	9	nw.	U. S. Airway Station
Gary	McDowell	1,426	28	68.7	−0.6	93	28†	41	6	3.40	−1.67	0.63	26	0	16	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	70.2	.....	94	29†	38	6	2.82	.....	0.76	10	0	10	4	15	11	w.	State Forest Nursery
Hamlin	Lincoln	641	2	69.4	.....	95	29	37	6	5.09	.....	1.96	12	0	15	13	9	8	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	70.0	−0.5	101	30	38	6	3.57	−0.73	1.11	19	0	14	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	72.2	−0.7	96	30	42	6	4.10	−0.13	1.26	11	0	12	8	12	10	sw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	4.30	−0.89	1.13	12	0	8	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	32	72.2	−1.4	99	30	44	6	4.61	0.28	0.85	17	0	13	5	12	13	....	Paul A. Simonds
London Locks	Kanawha	623	10	72.0	.....	95	29†	39	6	3.83	.....	0.93	11	0	11	.....	.....	...	w.	Lockmaster
Madison	Boone	675	24	69.2	−3.1	94	28†	41	6	4.01	−0.15	0.94	3	0	12	3	15	12	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	66.0	.....	91	30	33	6	3.36	.... .	0.45	11	0	14	11	7	12	..	M. H. Martin
Pineville	Wyoming	1,350	3	72.0	.....	102	30	38	6	2.79	.....	0.86	9	0	12	20	5	5	.....	Charles Dameron
Point Pleasant	Mason	595	55	71.5	−0.9	95	29†	39	6	3.39	−0.69	0.70	11	0	11	13	6	11	s.	E. C. Winger
Rainelle	Greenbrier	2,424	14	64.8	−0.7	93	30	31	6	4.08	−1.02	0.62	19	0	15	14	4	12	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	70.9	+0.4	91	14†	35	6	2.86	−1.28	0.74	10	0	10	11	11	8	nw.	Lockmaster
Richwood	Nicholas	2,193	14	64.2	−4.2	92	30	31	6	4.40	−0.69	0.94	18	0	10	15	8	7	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	42	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Supt., State Forest
Spencer	Roane	789	46	69.2	−0.5	95	14†	34	6	3.84	−0.67	1.20	19	0	9	6	17	7	.....	A. M. McKown
Summersville	Nicholas	1,900	9	65.2	.....	92	14†	35	6	2.37	.....	0.70	12	0	11	5	17	8	.....	A. E. Dorsey
Sutton	Braxton	850	42	71.2	−0.1	96	30	35	6	3.91	−1.05	1.22	2	0	12	..	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	41	66.6	−1.2	93	29†	32	6	3.51	−0.48	0.85	25	0	12	.....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	13	70.2	...	95	28	35	6	1.28	.....	0.32	12	0	9	17	7	6	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	69.2	+1.2	94	30	33	6	3.38	−0.60	1.60	19	0	11	2	20	8	w.	Ashford General Hospital
Williamson	Mingo	673	44	72.8	+0.2	99	29†	47	5†	4.95	+0.18	1.68	17	0	10	18	2	10	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	70.4	....	93	14†	41	6	3.78	.....	1.16	11	0	11	9	11	10	sw.	Lockmaster
State averages and extremes	.....	...		68.3	−1.5	102	30	22	6	3.82	−0.63	2.38	3	T	11	12	10	8	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Figures and letters after name of station indicate distance in miles and direction from place named. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. † Also on other dates. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for June 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.60	.02	.10	.03					.80	.20	.05	.03		.95	T.	.24	.21	15	.02	.05				32	T.						3.77
Brandywine	do.		T.	.50						.04	.11	.33			T.	.04	.07		.12	1.25	.13											2.59
Brushy Run[2]	do.		.05	.62	T.						.18	.20	.24			.21	.58		.43	.15	.26		.04				.31						3.27
Harpers Ferry[2]	do.			.18							.09	.35	.09		.03		.24		1.84	1 57	1.02		1.00										6.41
Inwood	do.			.20							T.	.38				.14		1.00	1.75	.18			.15								.50		4.30
Kearneysville	do.		.10	.05	T.					.03	.42								2.20	.77	.10												3.67
Knobly Mountain[2]†	do.			.60							.05	.18	.09				.79		.24	.08	.40						.04						2.47
Martinsburg[4]	do.	.02	.13	T.						.04	T.	.36	T.		T.	.12		.13	1.24	.78	.05	.15											3.26
McNeill†	do.		.15	.31						T	.21	.10	.07		T.	.38	.62	10	.79	.49	.05										.24		3.75
Petersburg	do.		.70	T.	T.			01		.12	.07	.06		T.	.07	.65		.12	.76	.63		.02	.05			.01							3.27
Piedmont	do.		.11	.34							.21	.30	.15			.89	.40		.32	.21	.07		T.				.48						3.20
Spruce Kuob[2]†	do.			.51	T	T.			T.		.28	.36	.42	.13	T	T.	.51	.24	.29	.44	.87					.20							4.67
Stony River Dam[2]†	do.		.52	.70	.25	.08					.28	.38	.45				.17		.40	.23	.21		.08			.62							3.85
Wardensville[2]	do.			.30			.01				.24	2.12	.09				.02		.29	1.40	.31	.02	.17			.10							4.97
Northern Division																																	
Aberdeen†	West Fork		.23	.90	.12	T.				.01	1.50	1.01	.32			.19		.36	.10	.65													5.39
Belington[2]	Tygart		.02	1.85	.07	.08			T.		.42	.44	.37	T.	.09		.20	T.	.23	.13	.13					T.							4.05
Benson†	West Fork			.25	.05						.68	.87	.10	.12				.37	.02	.90							.02						3.51
Bens Run	Ohio			.29	.20			T.		.10	.61	1.15	.56				.10	.20	.18							.15							3.39
Big Skin Creek†	West Fork		2.05	.10	.08	T.					.73	.98	.22		T.		.15	.26	T.	.71	T.		.37										4.78
Brandonville[2]	Cheat		.87	.11		T	T.			.77	.10	.21	.63		T	.15			.45	.22	.02												4. 40
Brownsville†	West Fork		.83	1.18	.06					.15	.13	.90	.18						.08	.40													3.91
Buckhannon	Tygart	T.	1.78	.19	.11	.01				.23	.60	.78	.18		T.		.21	.09	.38	.19	T.					T.							4.75
Cairo	Litl.Kanawha				.08						.60	1.03	.76	.11	.03		.10	.11	.97	.27													4.06
Canaan Valley	Cheat		.19	.98	.22	.03				.40	.34	.53	.04				.25		.44	.81	.02		.12			*	.60						4.97
Clarksburg[2]	West Fork			.25							.22	.78	.32					.14		.75			.03										2.49
Crawford	do.		1.30	.30	.06				.05	.19	.43	.92	.45					.23	.43	.46		T.				.03							4.85
Creston[2]	Litl.Kanawha			.80	T.	.02	T.		T.		.70	.60	.71	.03		.10	T.	T.	.90	.40													4.26
Dailey[2]†	Tygart		T.	1.40	T.	T.				.06	.12	.33	.47						.45	.32	.33		.40			.70							5.02
Dam 10, Mon. R.[2]†	Monongahela			.99	.03						.84	1.39	.37	.04			.44		.45	.32	.33		.40			.70							4.47
Dam 13, O. R.[2]†	Ohio			.10	.03						.11	.74	.23	.12	.49		.26	.06	.02	.58	.03		.12										3.12
Dam 15, Mon. R.[2]†	Monongahela			.90	.05						.37	1.07	.53					.69	.12	.13			.10										3.91
Dam 19, O. R.[2]†	Ohio			.35	T.						.45	.94	.34	.03		.15	.15	.19		.65	.02		.08			.05							3.09
Dam 20, O. R.[2]†	do.			.16	.01						.40	.95	.55	.66	T.	.10	.14	.15	.18	.05													3.35
Elizabeth (Dam 3)[2]	Litl.Kanawha										.60	.13	.81	.18			.46		.12	.11													2.41
Elk†	West Fork		.45	.09								1.53	.10						.45	.30													2.92
Elkins[1]†	Tygart		1.31	.41	.10	T.		T.		.16	.26	.33	T	.32		1.27	T.	.15	.60	.22	.01	.21	.09			2.01	.01						7.46
Fairmont[2]	Monongahela	.04		.64	.01					.40	*	.90	.42					.09	.15		.74		.12				.35						3.86
Glenville[2]	Litl.Kanawha			2.38	.06	.05			.06		.57	.25	.64																				5.53
Grafton	Tygart			.19	.06	T.					.44	.45	.21	T.				.14	.08	.67	.09						.54	T.					2.99
Grantsville	Litl.Kanawha		1.80							.50	.80	.50	.10			.10		.22	.03	1.39	T.											4.90
Hackers Creek†	West Fork		.11	.05	.03					.10	1.01	.50	.30	.08				.10	1.00													2.41
Hall[2]	Tygart			1.37	.06	.02					.79	1.74	.37		.14		.22	.03	.20														5.58
Harrison Co. Arpt.[4]	West Fork		.23	.04	.01			T		.35	.53	.39					.29	.29	.06	.50	.02						T.						2.31
Hastings	Ohio		.15	.45	.02						.35	1.33	.50				.01	.40	.46	.06			.02				.45						4.20
Horner	West Fork		1 77	.18							1.00	.75					.15	.05	.10	.43													4.43
Ireland	do.		.78	.45	.83	.03				.11	.24	.38	.42	.09					.03	.08													3.39
Jane Lew	do.		T.	.53	.02			T			.88	.28	.21			10		T.	T.		1.03												3.05
Kumbrabow St. For.†	Tygart			.98	.33	.10			.21	31	.11	.26	.50	.21	.01		.22	.14	.33	.59	.03		.09	.03			.02						4.47
Mannington	Monongahela			.33	.06	.03				.83	1.08	.78	.56			.63		.77	.61	.03		.29												6.00
Middlebourne[2]	Middle Is.Creek			.40	.02	.07					.43	1.02	.44	.02		.02	T.	.31	.27	.29			.12			.25							3.66
Midvale[2]†	Tygart	T.	.16	1.20	.03	.12			.01		.68	.44	.77		T.		.17		.03	.14	.22		.02				.03						4.02
Morgantown	Monongahela		.70	.07	.02					.18	1.06	.78	.59					.10	.05	.11													3.66
Mt. Clare	West Fork		.40		.09					.77	.58	.52		.08					.19		1.28												3.91
New Cumberland	Ohio	.03	.19	.48							.13	.30	.12	.54		.40		.61	.47				.05			.01							3.33
New Martinsville	do.	T.	.21	.06	.02					.06	.48	1.31		.97				.07	1.90	.90						.06							6.07
Parkersburg[1]†	do.		.57	T.	.01			T.		.26	1.30	.33	.01	T.	.03	.09	.20	.06	.28		.02												3.38
Parsons	Cheat		.25	.86	.12				T.	.01	.78	.58	.21			.33	.23	.03	.22	.24	.02										24		4.14
Philippi[2]	Tygart	T.		.60	.02	.05			T.		.82	.80	.12				.02	.07	T	.50	T.		.01				T.						3.01
Pickens	do.	.02	.70	.30	.60			.13	.17	.28	.62	.50				.96		.05	.19	.29	.04		.06			.70							5.61
Roanoke	West Fork		1.06	.93	.13					.05	.75	.76	.17					.15	T.	.75	T.						.05						4.80
Rockford†	do.		.29	T.	.02	T.				.73	.49	.45	.08					.11	1.33	.67						T.							4.17
Rowlesburg[2]	Cheat	T.		.81	.10	T.					.26	.56	.54	T.			.15	.31	.08	.18	.28		T.				T.						3.27
Saint Marys[2]	Ohio				.82						.27	2.17	.85					.10		.30													4.51
Salem	West Fork		.64	.15	.11					.17	1.95	1.03	.08					T.	.39	.25		.02				.06							4.85
Shinnston	do.		.72	.10							1.60	.75						.20			.10	.50											3.97
Thomas[2]	Cheat		.12	.68	.29	.08					.28	.75	.28				.85		.55	.14	.14		.20			2.00							6.36
Valley Chapel	West Fork	.02	.04	.23	.04					.10	.74	.73	.11	T		.11		.01	.02	1.12	.01												3.28
Valley Head[2]	Tygart			.96	.09	.06			.13		.10	.41	.52		.12		.65		.18	.39	.15		.02			T.							3.78
Vandalia†	West Fork		1.33		.13					.41	.71	.73	.28						.43	.32													4.34
Wellsburg (near)	Ohio	.05	.35	.76	T.				T.			.37	.28	.52		.05		1.16	.45				.33										4.32
West Milford	West Fork		.18	.10	.07						.73	.34	.44					.08		.85													2.79
Weston[2]	do.			1.10		.04	.10				.48	1.20	.74		.05			.05	.05	.84	.04						.04						4.73
Wheeling (Dam 12)[2]	Ohio	T.		.26	.03						T.	.57	.26	04	.67			.79	.09	.17			.08										2.96
Southern Division																																	
Alderson	Greenbrier			.39					.26	T.	.44		.12	.29		.25				.70	.31					T.							2.76
Arbovale	do.			.37	T			T.	.17	.21	.07	.40	.22			.02			.10	.48													2. 39
Athens	New		T.	.10	01		T.	.20	.10	.52	T.	.13	.01		.06	.05		.05	.76	1.20													3 19
Bluefield	New			*	.28	.02	.06	.15	.06	.51		.04	.15		.05	.43	.02	.35	.07	1.78													3.97
Camden-on-Gauley[2]	Gauley			.36	.07	.06			.24		.10	.22	.63	.83			.20	.20		.17	.08		.04			.02							3.22
Charleston	Gr. Kanawha			.53	.01	f			.33	T.	.43	.01	1.18	.07	T.		.21	.42	.32	.51	T.		.26										4 28
Charleston (Airport)[4]	do.		.28	.03	.04			.35		.33	.84	1.38	.02	.06	T.	.14	.19	.08	.60	T.		.18											4.52
Clay	Elk			.15	.13	.03			.12			.16	.13	.12				.11	.10		.12													1.17
Flat Top†	New		.86	.07	.03			.31	.06	.66	.01	.31	.13		.10	.02		.05	.40	.93					.17								4.11
Gary[2]	Big Sandy			.45	.02			.02	.19	.03	.49	.01	.06	.01	.05	.34		.19	.04	.45	.42													3.40
Greenbottom†	Ohio		.36	.19	.04					.20	.56	.54	.12			.12	.23		.46							.63							2.82
Hinton[2]	New			.56					.24		.42	.02	.06	.34	.01	.20		.03	.06	.34	1.11	.03											3.57
Hogsett[2]	Ohio			.68	.02				.03		.63	.31	.47			.45	.20	.25	.17	.37						.15							3 58
Huntington	do.		T.	.06	.04			T.	.05	.27	.83	.82	.44			.29	.29	.30	.69			.02											4.10
Kayford[2]	Gr. Kanawha			1.00	.60					.12			1.13	.30			.31		.34	.50													4.30
Lewisburg	Greenbrier																																
Logan[2]	Guyandot			.65	.03	.02		.01	.16	T	.69		.60	.12	T.	.03	.33	.85	.29	.83	T.						T						4.61
London Locks[2]†	Gr. Kanawha			.43	.03	.03			.12		.38	T.	.93	50				.30	.37	.69		.05												3.83
Madison[2]	Coal			.94	T.	.05		T.	.09		.54	.09	.16	.26	T.			.66	.41	.73	.01		.07											4.01
Oak Hill[2]	New		.45	.03	.02			.14	.31	.20		.45	.26		.33	.20		.44	.21	.07						.25							3.36
Pineville[2]	Guyandot			.35				.03	.29	.05	.86	.10	.12	.07		.17			.38	.24	.13													2.79
Point Pleasant[2]	Ohio			T	T				.23		.52	.11	.70	.24		.59	.13	.41	.25	.19	.02													3.39
Princeton[2]	New																																
Rainelle	Greenbrier			.52	.12	.05	.04	.13	.27	.17	.02	.45	.50	.10	.01	.48	T.	.60	T.	.62		T.												4.08
Ravenswood[2]	Ohio			.08		T.					.74	.52	.68		.04	.03	.17	.09	.36	.15													2.86
Richwood[2]	Gauley		.39	.36					.16	.26			.18				.62		.94	.54	.75		.20										4.40

Continued on next page.

Daily Precipitation for June 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier																	.23	.63	1.21	.02												3.84
Spencer [2]	Litl.Kanawha		.44	.02					T.		.82		.19	.28				.30	.07	.03	.20	.02		T.									2.37
Summersville [2]	Gauley		.39	.07	T.				.30		.17		.70	.12							.55			.26					.17				3.91
Sutton	Elk	.64	.58	.12					.05	.10	.34	.28	.77	.05															.85				3.51
Union [2]	New		.25						.20	.10	.34			.05	.28		.15	.05	.12	.40	.72												5.10
Wayne [2]	Twelvepole		.25								.72	1.15	.51	.14			.28	.70	.29	1.06													1.25
Webster Springs	Elk	.10	.15			.05					.10	.15	.32				.09		.10	.22													3.38
White Sulp'r Spgs.	Greenbrier		.40		T.		.02	.38	.34			.03	T.	.27			.02	.20	.06	1.60	.06												4.95
Williamson [2]	Big Sandy		.17				.02	.21	.04	.50			.64			.24		1.68	1.13	.32													3.48
Winfield Locks [2]†	Gr. Kanawha		.30		T.			.04		.68	.03	1.16				.04	.07	.16	.13	.28			.59										

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson. Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for June 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	82	82	68	51	50	63	66	67	74	81	78	73	82	86	85	83	82	78	69	75	78	78	83	83	82	75	80	81	86	89	..	76.3
	Minimum	43	43	46	42	36	28	29	42	42	53	54	53	55	53	53	62	59	55	57	53	44	43	47	52	53	55	50	53	62	62	....	49.3
Bluefield	Maximum	85	85	83	*56*	57	59	58	67	69	*81*	83	82	86	86	84	85	86	86	77	78	80	79	80	*85*	85	81	84	89	90	90	....	79.2
	Minimum	56	66	*52*	38	41	40	45	53	53	*60*	56	65	59	62	66	64	59	64	59	50	54	57	54	*55*	55	61	57	64	67	67	...	56.6
Brandywine	Maximum	89	90	76	67	56	68	72	68	78	87	88	86	91	95	94	91	92	82	76	81	85	82	85	90	89	84	86	94	95	99	....	83.9
	Minimum	46	50	51	43	37	24	34	34	45	53	54	55	54	52	55	56	58	55	57	54	47	50	43	45	52	53	50	56	60	57	....	49.3
Buckhannon	Maximum	85	83	65	52	55	62	68	70	74	81	80	79	83	89	87	84	82	81	74	77	80	76	79	84	85	78	84	88	90	90	....	78.2
	Minimum	51	61	50	45	41	31	35	48	50	58	61	61	58	57	63	68	62	61	60	57	52	55	50	52	57	61	55	59	65	65	....	55.0
Cairo	Maximum	87	89	82	58	58	65	70	69	73	83	86	78	86	93	95	87	87	85	76	80	82	83	83	89	90	88	87	91	92	94	....	82.2
	Minimum	50	62	55	48	39	32	38	44	52	59	62	62	60	60	66	64	63	64	62	57	55	55	52	54	57	64	55	62	65	66	....	56.1
Charleston (Airport)	Maximum	91	87	66	53	61	70	64	74	73	88	81	81	90	96	89	89	89	80	77	87	84	84	87	91	90	82	93	94	96	95	....	82.7
	Minimum	54	65	48	45	40	39	44	54	56	60	64	63	63	65	67	65	64	63	59	60	59	58	58	59	59	61	59	65	69	69	....	58.5
Clarksburg [3]	Maximum	84	78	59	*57*	53	64	68	74	78	84	80	77	86	91	90	84	84	78	73	80	82	82	81	88	90	81	87	89	93	90	....	79.5
	Minimum	46	52	57	48	40	33	36	40	51	53	60	60	61	60	60	66	64	64	61	58	54	53	52	54	55	60	57	59	64	67	....	54.8
Cranberry Glades	Maximum	81	78	60	44	46	62	60	61	60	78	74	77	80	84	81	62	81	72	63	73	76	75	79	81	79	74	77	85	86	87	....	72.5
	Minimum	40	55	44	39	30	24	29	45	51	50	55	57	51	47	58	56	55	53	52	48	42	47	41	37	47	51	48	49	56	51	....	46.9
Elkins	Maximum	84	80	63	49	50	62	68	71	72	83	79	77	81	90	84	84	83	72	71	79	78	77	79	86	87	76	83	88	89	90	....	77.2
	Minimum	48	57	46	43	35	31	34	48	54	57	60	61	57	58	59	65	60	59	59	54	50	53	48	51	57	58	57	57	64	64	....	53.5
Fairmont [3]	Maximum	90	81	*62*	*58*	55	68	71	79	79	85	80	81	90	96	91	88	87	80	73	84	86	85	89	93	90	84	90	93	96	98	....	82.7
	Minimum	52	62	58	47	45	37	42	46	53	60	63	62	64	62	67	68	63	66	62	59	56	55	54	57	62	65	59	63	70	70	....	58.3
Flat Top	Maximum	82	78	58	45	50	55	54	65	62	78	78	77	82	83	80	81	80	74	63	74	75	75	77	83	81	77	80	84	85	86	....	73.4
	Minimum	50	58	41	39	34	32	40	50	54	53	62	57	54	54	61	60	56	57	53	50	48	47	43	49	58	55	51	60	62	65	....	51.8
Gary [3]	Maximum	89	84	66	53	60	58	62	71	74	86	86	84	89	90	88	89	88	81	70	82	83	82	85	90	90	80	88	93	93	93	....	80.9
	Minimum	50	57	*53*	47	45	41	46	50	54	55	62	62	59	60	63	63	61	63	62	56	55	57	55	56	57	59	58	59	63	66	....	56.5
Glenville	Maximum	91	90	72	56	62	69	70	76	78	85	87	83	90	97	95	90	89	90	76	83	85	86	87	91	93	91	90	95	97	97	....	84.7
	Minimum	52	62	55	48	42	37	41	49	51	53	52	63	61	62	67	66	64	65	64	63	58	57	55	58	62	65	61	64	68	69	....	57.8
Grafton	Maximum	85	85	81	59	53	63	67	71	78	82	82	79	83	93	92	89	85	78	78	78	81	81	81	85	88	87	87	86	88	91	....	80.5
	Minimum	47	58	52	42	40	33	34	42	48	55	59	57	56	57	61	62	61	60	58	55	51	51	48	51	57	60	53	58	64	64	....	53.1
Huntington	Maximum	91	89	76	55	65	69	67	75	74	86	83	82	91	95	92	89	83	81	76	85	86	85	87	90	92	87	91	95	95	96	....	83.6
	Minimum	59	70	55	50	44	42	48	54	57	62	68	63	66	64	68	69	64	60	61	58	61	58	59	61	62	61	63	69	73	72	....	60.7
Logan [3]	Maximum	94	88	62	*62*	63	64	62	75	74	88	86	84	91	94	90	93	89	83	75	87	85	86	90	93	93	86	93	96	98	99	....	84.1
	Minimum	55	59	62	49	46	44	46	50	58	61	62	66	65	65	67	68	66	63	64	62	59	60	60	60	61	64	63	65	68	69	....	60.2
Madison [3]	Maximum	91	85	60	53	61	65	64	71	74	87	85	83	89	72	89	93	86	81	75	84	85	80	86	89	88	83	90	94	94	80	....	80.6
	Minimum	54	57	*53*	46	44	41	44	44	55	60	60	65	60	61	65	64	62	62	62	66	57	60	56	57	57	62	61	68	66	66	....	57.7
Mannington	Maximum	88	87	69	53	55	67	69	77	76	82	79	78	85	74	89	87	85	74	81	80	85	83	87	90	85	83	86	93	95	95	....	81.5
	Minimum	47	59	50	45	40	33	36	43	48	57	61	59	58	59	62	63	63	63	60	55	55	52	51	52	58	62	54	60	64	65	....	54.5
Martinsburg	Maximum	70	77	70	59	59	66	72	71	69	80	85	84	90	93	93	92	90	83	70	82	85	83	87	90	85	83	86	93	97	98	....	81.4
	Minimum	48	54	52	43	37	44	51	50	61	64	69	64	65	66	68	68	64	65	63	60	61	58	61	65	65	54	63	69	72	70	....	59.8
Morgantown	Maximum	85	80	64	52	53	66	71	77	80	83	80	77	84	91	88	84	83	80	72	79	79	80	82	89	89	82	85	89	91	92	....	79.6
	Minimum	50	61	49	43	42	34	49	46	55	60	63	61	65	64	68	68	63	61	60	56	56	54	52	56	61	63	58	64	74	71	....	57.6
New Martinsville	Maximum	91	85	71	55	56	68	71	81	80	86	79	80	88	96	89	91	84	80	77	83	84	84	89	91	94	87	91	95	97	98	....	83.4
	Minimum	53	64	51	45	45	38	43	47	52	60	65	63	63	63	68	68	65	64	61	57	58	57	57	58	61	67	57	63	70	71	....	58.5
Parkersburg	Maximum	90	82	64	55	56	66	68	73	73	86	79	82	87	92	87	88	85	76	73	81	82	81	87	89	90	82	88	94	95	93	....	80.8
	Minimum	56	64	50	46	44	38	46	48	53	63	66	64	67	68	71	67	66	63	62	56	61	58	55	58	60	65	58	68	75	70	....	59.5
Petersburg	Maximum	78	90	68	62	57	68	72	69	77	87	87	86	89	96	93	92	89	82	72	84	87	83	86	91	91	83	88	94	96	100	....	83.2
	Minimum	52	51	50	47	36	32	40	49	48	58	61	62	58	57	62	63	67	69	63	62	57	54	55	50	54	62	60	55	60	69	71	....	55.5
Pickens	Maximum	82	79	56	51	65	63	60	61	67	75	76	73	78	87	83	80	82	74	71	78	74	65	79	87	78	72	74	82	91	90	....	74.4
	Minimum	43	42	39	33	32	22	27	28	43	49	53	51	52	53	53	57	51	52	50	47	46	47	48	43	50	50	45	46	57	56	....	45.5
Point Pleasant	Maximum	90	89	74	56	63	69	69	76	75	86	84	82	89	94	94	85	85	83	74	84	83	83	85	89	90	88	91	94	95	95	....	83.1
	Minimum	50	70	54	49	43	39	52	49	54	63	67	62	65	65	67	70	59	66	60	57	60	58	58	60	61	65	60	68	73	73	....	59.9
Rainelle	Maximum	87	86	69	49	53	65	61	66	66	83	81	79	84	85	85	86	85	76	71	76	81	80	83	89	89	79	85	90	91	93	....	78.4
	Minimum	45	56	48	41	36	31	37	49	56	54	55	58	55	55	58	58	56	58	57	55	49	52	47	47	49	58	51	55	58	56	....	51.3
Spencer [3]	Maximum	84	90	60	*56*	61	69	66	76	74	87	78	80	89	95	88	89	87	76	75	82	83	84	90	90	91	82	89	93	95	95	....	81.8
	Minimum	53	56	56	47	39	34	39	45	49	52	63	62	61	61	67	67	67	63	63	58	55	57	51	57	61	64	57	62	67	68	....	56.7
Summersville	Maximum	85	81	59	*54*	53	63	63	70	71	84	79	82	85	92	88	85	85	76	72	79	80	78	81	87	85	85	85	89	91	92	....	78.6
	Minimum	47	52	54	40	38	35	39	45	50	50	56	59	52	56	60	60	59	60	59	58	51	50	46	46	53	55	51	56	61	59	....	51.9
Sutton	Maximum	90	90	86	62	58	70	70	72	74	88	88	86	90	95	95	93	90	89	89	87	88	88	87	90	90	88	90	93	95	96	....	85.6
	Minimum	52	62	50	48	44	35	40	50	52	53	62	63	60	61	64	62	63	64	65	60	55	60	54	55	60	62	60	62	65	64	....	56.9
Wardensville [3]	Maximum	79	90	68	57	58	68	74	70	77	83	86	85	89	94	93	92	90	84	72	82	88	82	89	91	89	83	89	94	95	99	....	83.0
	Minimum	51	46	57	46	36	30	36	46	45	59	58	69	52	56	67	61	62	60	63	60	53	58	50	55	60	61	54	59	65	64	....	54.3
Weston	Maximum	90	82	70	58	62	69	70	78	80	85	82	85	92	99	92	90	89	88	75	86	87	88	89	92	93	90	91	94	98	99	....	84.8
	Minimum	55	70	54	49	41	35	40	50	53	60	65	62	61	61	69	68	65	67	65	63	55	55	54	57	62	66	60	61	68	68	....	58.7
Wheeling [3]	Maximum	83	81	58	*55*	55	66	72	78	77	84	79	79	83	93	86	87	82	75	75	81	80	82	86	90	91	83	89	92	93	93	....	80.3
	Minimum	53	54	55	45	41	40	42	43	50	51	62	62	65	64	66	70	65	67	60	58	59	58	56	46	62	65	57	60	69	69	....	57.1
Williamson [3]	Maximum	95	89	63	57	84	62	62	76	75	90	88	85	93	94	92	94	90	83	75	86	87	87	90	95	92	87	94	97	99	99	....	85.3
	Minimum	54	57	*57*	48	47	47	49	54	59	61	62	66	66	64	66	68	62	64	64	63	61	61	59	59	60	63	64	66	67	69	....	60.2

Daily Evaporation (inches) and Wind Movement (miles) for June 1945

Clarksburg	Evaporation	.222	.237	.233	.072	.027	.102	.126	.088	.109	.066	.196	.134	.100	.170	.248	.256	.248	.214	.102	.065	.169	.196	.213	.338	.121	.221	.185	.216	.194	.290	....	5.158
	Wind movement	51	72	60	123	5	37	23	9	6	6	21	12	26	47	13	38	79	26	22	11	18	42	20	15	30	25	34	23	33	65	....	992
Wardensville	Evaporation	.339	.231	.208	.092	.157	.090	.166	.175	.098	.199	.376	.127	.182	.250	.210	.305	.213	.285	.337	.022	.273	.219	.355	.185	.239	.205	.177	.253	.212	.277	....	6.537
	Wind movement	68	53	10	98	96	12	19	21	18	32	26	39	24	42	12	38	47	33	35	26	26	35	38	36	18	23	38	22	25	34	...	1044

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—8-29-45—925)

UNIVE

OCT 2 1945

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

S. S. SCHWORM

PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIII JULY 1945 No. 7

GENERAL SUMMARY

This has been the coolest July since 1939, the average monthly temperature being 72.2° or 1.0° below normal. The minimum temperature of 34° that occurred at three stations on the 12th, while not very unusual, was still within three degrees of the all-time lowest for July which was 31° in 1925.

It was the second wettest July of record in the northeastern panhandle division being exceeded only by the 7.62 inches in 1905. The average precipitation was 163 percent of normal in the northeastern panhandle division, 116 percent in the northern division, and 114 percent in the southern division. With the exception of a few places in which timely showers occurred, the counties along the Ohio River became rather dry during the month. Hail was reported from sections of Hardy, Pocahontas, and Union Counties on the 9th, Logan County on the 10th, Harrison, Marion, and Mason Counties on the 22d, Marion, Mineral, and Tyler Counties on the 23d, and Taylor County on the 27th. There was considerable damage to small gardens locally and some corn fields have a large number of leaves shredded. A man, while riding on the back of a lumber truck on the 20th near Elgood, was killed by lightning.

Ample moisture conditions and moderately cool weather were conducive to rapid growth of the pasture grasses and meadows in the first two weeks of the month. Warm weather with adequate sunshine during the last two weeks made good harvest weather for hay, wheat, and oats in all places except in the northeastern panhandle and in parts of the north-central section where it continued so wet that wheat and oats began sprouting in the shocks. Corn made rapid gains during the latter half of the month. Some hillside corn and some tobacco had begun to fire in the western counties but the rains near the close checked this tendency and losses from this cause are thought to be small. Farm and domestic water supplies were adequate throughout the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 70 stations, was 72.2°, or 1.0° below the normal. The mean for the northeastern panhandle division was 72.4°; for the northern division, 71.7°; and for the southern division, 72.5°. The highest monthly mean was 77.0° at Huntington and the lowest, 63.2° at Cranberry Glades. The highest temperature was 100° at Inwood on the 1st and at Pineville on the 25th and the lowest, 34° at Bayard, Brandonville, and Cranberry Glades on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 130 stations, was 5.54 inches, or 0.90 inch above the normal. In the northeastern panhandle division, the average was 6.27 inches; in the northern division, 5.50 inches; and in the southern division, 5.30 inches. The greatest monthly precipitation was 9.88 inches at Oak Hill, and the least, 1.64 inches at Wheeling. The greatest amount in any 24 consecutive hours was 4.38 inches at Brandywine on the 28-29th. The average number of days with 0.01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	4	22	11	12	7	19	2	.	.	1	20	15	2	.	.	26	19	19	20	24	7	13	30	18	10	18	10	4	21	19
Frosts killing	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.
Gales	2	.	.	.	.	.	.	.	1	4	1	.	.	2	4	.	.	.	.	.	.	1	2	.	.	1	.	.	.	.	.
Hail	.	.	.	.	.	.	.	.	3	1	.	.	.	.	.	.	.	.	.	.	.	3	3	.	.	.	1	.	.	.	.
Halos, lunar	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
Halos, solar	.	.	.	.	.	.	.	.	1	1	.	.	.	1	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.
Sleet	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	.	1	.	.	.	.	.
Thunderstorms	15	14	.	12	15	2	5	3	17	20	.	.	.	11	5	.	4	3	6	7	4	29	15	4	13	22	17	20	11	8	13

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.26	17	29.72	28	4.9	24	sw.	9	91	52	60	65	2
Columbus, Ohio	30.28	17	29.75	28	7.3	30	nw.	25	87	55	61	70	7
Elkins	30.28	17	29.80	28	4.6	30	s.	19	96	65	81	59	25
Huntington Airp't.	30.27	17	29.77	22	.....	20	nw.	14	89	52	69	....	3
Parkersburg	30.25	17	29.75	22	5.2	19	nw.	12	84	52	60	61	3
Petersburg, W. Va.	30.29	17	29.79	22	.....	19	s.	9	89	57	71	....	11
Pittsburgh, Pa	30.28	17	29.76	28	8.1	22	w.	14	82	60	60	54	4

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	67.5	..	..	5.08	6.57	3.50	5.59	0.0	..	..	..	..
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	..	..	..
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	13.32	5.78	9.07	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4 46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	31	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	1.90	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	77.5	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	112	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	7
1942	73.9	103	41	2.89	4.68	4.91	4.44	.0	12	13	12	6
1943	73.4	101	34	5.22	8.17	5.15	6.56	.0	13	10	13	8
1944	72.6	102	34	2.39	3.13	2.18	2 65	.0	8	16	10	5
1945	72.2	100	34	6.27	5.50	5.30	5.54	.0	12	12	12	7
Period	73.2	112	31	3.85	4.76	4.63	4.64	.0	11	14	11	6

Climatological Data for July 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	66.3	−1.3	88	1	34	12	5.50	+1.26	1.08	29	0	16	20	4	7	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	69.8	−1.5	95	1	38	12	8.21	+4.64	4.38	29	0	11	17	6	8	sw.	E. L. Keister
Great Cacapon	Morgan	500	1	75.8	.....	97	1†	52	11	5.10	.....	1.12	29	0	11	12	6	13	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	....	.....	.....	.....	.....	.....	7.38	+3.88	1.65	16	0	15	....	....	....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	74.0	.....	100	1	46	12	7.21	.....	3.15	29	0	9	13	10	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	74.4	−1.7	98	1	47	12	6.08	+2.89	1.20	28	0	17	6	12	13	s.	University Exper. Station
Martinsburg	Berkeley	435	53	73.6	−2.1	95	1	48	11	7.80	+4.18	2.92	28	0	13	18	2	11	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	71.4	−0.2	97	1	38	13	6.36	+3.33	1.20	2	0	11	8	12	11	w.	R. E. Saville
Petersburg	Grant	1,029	6	73.3	.....	97	1	44	12	4.09	.....	1.90	29	0	14	2	12	17	se.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	72.9	+0.6	95	1	45	12	4.74	+1.26	.....	.....	0	15	6	13	12	se.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	....	.....	.....	.....	.....	.....	6.31	+2.17	1.00	27	0	14	2	8	21	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	27	72.0	+1.4	95	1	39	12	6.05	+2.95	2.15	22	0	15	....	....	....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	....	.....	.....	.....	.....	.....	9.61	+4.82	2.26	27	0	13	2	21	8	.....	L. Esle Bond
Benson	Harrison	1,080	20	73.3	+0.8	94	21	42	12	5.49	+0.34	1.02	29	0	11	8	17	6	.....	R. D. Marts
Bens Run	Pleasants	652	44	74.6	−0.5	86	19	50	12	3.92	−0.61	1.39	14	0	9	....	....	....	.....	Mrs. C. W. Rea
Braudonville	Preston	1,798	4	67.8	.....	89	9†	34	12	6.95	.....	1.52	15	0	13	....	....	....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	74.4	+0.6	98	10	47	12	5.78	+0.98	1.75	10	0	9	12	15	4	ne.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	69.2	−2.6	89	1	44	12	8.59	+3.87	1.57	29	0	16	14	10	7	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	73.9	−0.4	95	25	43	12	3.88	−0.54	0.82	29	0	15	5	24	2	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	65.4	.....	86	25	34	12	5.03	.....	1.04	15	0	16	2	28	1	e.	George B. Thompson
Clarksburg	Harrison	1,015	22	70.9	−2.9	93	21	44	12	4.87	+0.79	1.57	30	0	14	17	12	2	se.	Clarksburg Water Board
Creston	Wirt	640	44	73.8	−0.9	94	1	46	12	2.76	−1.46	0.95	28	0	12	4	22	5	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	72.0	.....	95	14	46	12†	4.21	+0.13	0.76	29	0	14	18	8	5	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	2.73	−1.63	1.78	29	0	7	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	5.60	+1.67	1.66	5	0	13	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.45	−0.48	2.12	29	0	10	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	2.65	−1.28	1.48	29	0	9	....	....	....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	4.11	−0.29	1.40	28	0	11	....	....	....	.....	Lockmaster
Elkius	Randolph	1,927	46	69.0	−0.8	89	13	42	12	5.92	+0.54	1.43	29	0	14	3	16	12	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	74.2	−0.1	94	25	46	12	6.43	+2.03	1.96	5	0	18	14	9	8	w.	J. C. Robinson
Glenville	Gilmer	738	57	75.8	+0.5	96	21†	48	12	5.60	+0.73	1.78	28	0	9	16	11	4	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	70.6	−2.0	91	21†	40	12	6.00	+1.92	1.21	27	0	17	18	7	6	.....	L. W. Clayton
Grantsville	Calhoun	760	1	76.1	.....	96	25†	48	12	2.90	.....	0.70	29	0	9	....	....	....	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	71.3	.....	91	20†	44	12	3.72	.....	1.09	28	0	13	7	12	12	s.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	6.36	.....	1.28	29	0	13	12	12	7	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	4.27	−0.67	0.96	25	0	9	....	....	....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	43	72.0	+0.2	92	1†	39	12	6.93	+2.14	1.76	29	0	16	11	12	8	sw.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	4	71.7	.....	95	21†	40	12	5.46	.....	1.99	29	0	11	14	8	9	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	72.8	−0.7	93	21	45	12	3.08	−1.30	0.85	28	0	15	15	14	2	w.	State Dairy Farm
New Cumberland	Hancock	671	50	73.5	+0.5	95	24†	41	12	3.96	−0.12	.....	.....	0	11	15	9	7	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	75.2	0.0	95	20†	47	12	3.94	−0.55	0.70	29	0	12	17	10	4	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	74.5	−0.9	95	26	50	12	3.99	−0.30	2.51	29	0	11	10	13	8	se.	Section Center
Parsons	Tucker	1,649	46	71.4	+0.6	93	1	44	12	5.47	+0.38	1.25	29	0	15	....	....	....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	4.02	−0.71	1.54	29	0	9	....	....	....	...	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	63.8	−4.8	89	26	39	12	8.83	+2.79	1.70	28	0	14	17	7	7	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	6.07	+1.18	2.13	29	0	12	12	9	10	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	72.6	.....	92	21†	43	12	5.85	+0.65	1.37	29	0	12	....	....	....	sw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	5.24	+1.08	2.07	29	0	13	....	....	....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	7.55	+1.06	3.60	28	0	11	....	....	....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	75.1	+1.1	97	21	44	12	3.59	−1.34	0.85	29	0	15	5	21	5	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	72.2	0.0	95	24	38	12	2.51	−1.67	0.64	2	0	11	15	7	9	.....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	5.17	+0.52	2.20	29	0	12	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	74.7	+0.3	97	21	46	12	7.98	+3.56	1.82	30	0	14	....	....	....	.....	J. Arthur Heury
Wheeling (Dam 12)	Ohio	659	61	74.0	−0.8	95	24	48	12	1.64	−2.66	0.42	29	0	9	17	6	8	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	73.2	.....	98	1	45	12	5.52	.....	2.10	29	0	7	....	....	....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	7.99	+3.28	1.85	13	0	19	8	18	5	w.	H. S. Sutton
Athens	Mercer	2,600	5	71.2	.....	87	25	48	12	4.86	.....	1.24	26	0	15	9	18	4	sw.	Concord College
Bluefield	Mercer	2,558	50	72.0	+0.4	90	1	50	12†	5.74	+1.67	2.20	26	0	9	18	10	3	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	75.6	−1.3	95	1†	50	12	4.77	−0.01	1.52	29	0	11	14	12	5	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	74.2	.....	97	20†	49	12	4.27	.....	1.66	29	0	11	4	14	13	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	63.2	.....	85	1	35	12	7.86	.....	3.14	15	0	16	3	19	9	w.	Department of Justice
Flat Top	Mercer	3,235	7	66.3	.....	85	25	44	11	6.03	.....	0.94	22	0	17	6	14	11	sw.	U. S. Airway Station
Gary	McDowell	1,426	28	72.6	−0.5	92	25	49	12	5.83	+0.90	1.20	29	0	12	....	....	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	74.4	.....	96	20†	47	12	2.93	.....	1.20	28	0	6	....	....	....	.....	State Forest Nursery
Hamlin	Lincoln	641	2	73.1	.....	96	25	45	12	3.40	.....	1.49	29	0	9	18	10	3	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	74.2	−0.2	99	1†	47	12	5.01	+0.94	1.03	26	0	14	....	....	....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	77.0	+0.4	96	20†	50	12	2.75	−1.55	0.74	14	0	10	9	14	8	nw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	5.85	+0.68	2.40	5	0	7	....	....	....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	32	76.4	+0.4	98	1	53	12	6.02	+1.09	1.78	29	0	13	9	12	10	.....	Paul A. Simonds
London Locks	Kanawha	623	10	75.7	.....	95	1†	53	12	8.20	.....	2.67	5	0	13	....	....	....	w.	Lockmaster
Madison	Boone	675	24	74.5	−0.3	94	25†	....	.....	3.95	−1.38	1.78	23	0	12	12	17	2	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	69.4	.....	89	1†	43	13	9.88	.....	2.59	4	0	15	10	13	8	.....	M. H. Martin
Pineville	Wyoming	1,350	3	74.2	.....	100	25	46	12	6.35	.....	1.90	29	0	11	22	7	2	.....	Charles Dameron
Point Pleasant	Mason	595	55	76.4	0.0	94	1†	49	12	6.06	+1.92	2.70	29	0	12	15	7	9	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	14	69.5	0.0	91	1	41	12	5.38	−0.41	1.48	29	0	14	13	9	9	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	72.5	−2.6	92	21†	44	12	4.51	+0.49	1.98	29	0	12	9	12	10	nw.	Lockmaster
Richwood	Nicholas	2,193	14	71.0	−0.8	92	27	46	7†	2.73	−4.11	0.85	29	0	6	18	8	5	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	74.7	.....	96	26	44	12	.....	.....	.....	.....	0	..	....	....	....	.....	Pfost Greenhouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spencer	Roane	789	46	73.2	−0.4	95	26	44	12	3.73	−0.51	1.14	29	0	11	9	17	5	.....	Supt., State Forest
Summersville	Nicholas	1,900	9	67.6	.....	90	1	43	12†	8.91	.....	1.28	15	0	15	1	26	4	.....	A. M. McKown
Sutton	Braxton	850	42	74.2	−0.6	96	1	46	12	6.74	+1.41	1.05	26	0	10	20	9	2	.....	A. E. Dorsey
Union	Monroe	2,200	41	70.2	−1.4	91	1†	46	12	4.62	+0.83	0.85	15	0	14	....	....	....	.....	C. B. Eakle
Webster Springs	Webster	1,500	13	74.8	.....	95	21†	49	12	4.59	.....	1.95	29	0	7	16	10	5	.....	C. B. King
White Sulphur Springs	Greenbrier	1,914	31	73.2	+1.6	95	1	42	8	4.58	+0.66	1.12	29	0	12	4	14	13	w.	Mrs. Vergie Kessler
Williamson	Mingo	673	44	76.2	+0.1	97	25†	53	12	5.65	+1.22	2.35	29	0	11	17	11	3	ne.	Ashford General Hospital
Winfield Locks	Putnam	571	7	74.8	.....	95	20†	51	13	3.17	.....	1.50	28	0	9	9	12	10	sw.	Norfolk & Western Ry.
State averages and extremes		.....	....	72.2	−1.0	100	1†	34	12	5.54	+0.90	4.38	29	0	12	12	12	7	w.	Lockmaster

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for July 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.38			.58	.07	.14			.38					1.02		.07	1.00		.03		.20	.31	.11		.03		.52	.56	T.	.10	5.50
Brandywine	do		1.14		T.	T.				.34	.16				T.	.30		T.		T.	.47		.08		.01		.05	1.28	1.75	2.63	T.		8.21
Brushy Run[2]	do			.63			.27				.05					.39			.12		.52	.25		.46	T.			.39	.10	.42	.44		4.04
Harpers Ferry[2]	do		.01	.58		.01	1.12				.32					1.39	1.65	.21	.57		.05			.22		T.		T.	.14	.67	.17	.27	7.38
Inwood	do		.70			.68				.28						.78		.54					.65						2.00	1.15		.43	7.21
Kearneysville	do	.24		1.02		.72				.02	.15					.72	.03	.25	.22	T.			.14	.13			.27	.02	1.20	.61	.14	.20	6.08
Knobly Mountain[2]†	do			.15			.25				.12	.26				.19			.41	1.18		.91		.75					.50	.88	.44		6.04
Martinsburg[4]	do	T.	1.02			.48				.22	T.			T.		.63		.42	.25	.10			.60	T.	T.			.01	2.78	.65	.33	.31	7.80
McNeill†	do		1.20			.43				.56						.23		.03	.57	.03	T.		T.	1.14		T.	T.		.72	1.15	T.	.30	6.36
Petersburg	do	T.	.49			.22	T.			.39	T.			.06	.15	T.	.24	.02					.35	.01			.05	.15	1.30	.62	T.	.04	4.09
Piedmont	do		.51	.16		.09				.06	.04					.24		.47	.03	.02				.54	.03		T.	*	1.50	1.03		.02	4.74
Romney	do																																
Spruce Knob[2]†	do	T.		.44		T.	.67				.38	.27				.82	.27				T.	T.	.42	.37		T.		.72	.57	.46	1.27		6.66
Stony River Dam[2]†	do			.30			.36	.03			.32	.37				.65			.65			.05	.03	.10		.85		1.00		.85	.75		6.31
Wardensville[3]	do		.02	.34		.02	.17	.06			.03	T.				.80	.03	T.	.21	.01	T.			2.15	.03					1.35	.73	.10	6.05
Northern Division																																	
Aberdeen†	West Fork		.64	T.		.49		.03			1.16					.77					.28		.03	.20	T.		T.	2.26	1.11	1.67	.93	.04	9.61
Belington[2]	Tygart		.26	.62		.03	.28	.32			.41	.06				1.64	.04		T.				T.	.06				2.50		.63	.91		7.76
Benson†	West Fork		.62	.05		.65		.18			.15					.51										.08		.60	.73	1.02	.90		5.49
Bens Run	Ohio	.50	.33			.09										1.39	.04						.32			.50				.68		.07	3.92
Big Skin Creek†	West Fork	.41	.42		.01	.03	.20				1.46			.01		.64																	7.04
Brandonville[2]	Cheat		.40	.10				.32			.24					1.52		T.	.42		.95	T.	T.	.24			1.15	1.78		.74			6.95
Brownsville†	West Fork		.45			.24					1.75					.58								.13			1.00	1.03	.57	.03			5.78
Buckhannon	Tygart	.76	.81	.01	.44	.34	.10	.40			1.37					1.06	T.	T.					.02	.07		03		.13	1.47	1.57	.01			8.59
Cairo	Litl.Kanawha	.15	.15	.08	T	.75	.04	T.			.28					.22	.03				.05	.08	.27			.01	.35	.60	.82				3.88
Canaan Valley	Cheat		.70	T.		.45	.06	.12			.66					1.04	.14	.02	.02	.07			.11	.17			.07	.50	.67	.23			5.03
Clarksburg[2]	West Fork		T.	.45		.02	.25				.30	.48				.22	.02	.03					.02	.70			.06		.73	1.57	.02		4.87
Crawford	do	.06	.38		.34	.71	.01	.02			.45					.67			.24				.60				.35	1.23	1.29	1.04	.52		7.91
Creston[2]	Litl.Kanawha	.02		.30		.10	.30					T.				.40	.02						.15	.02				.15	T	.95	.25	.10	2.76
Dailey[2]†	Tygart			.45		.13	1.15				.13	.23				1.38	T.		.16		.53		T.	.36				.03		1.05	.90		6.50
Dam 10, Mon. R.[2]†	Monongahela			.50			.70			T.	.04			T.		.62	.11	.01	.07					.67	.01			.02	.02	.67	.76	.01	4.21
Dam 13, O. R.[2]†	Ohio	.04	.20	.48													.11	T.						.08						1.78		.04	2.73
Dam 15, Mon. R.[2]†	Monongabela			.67		.03	1.63			T.	.02	.20		.08		.23			.05		.10			.35			T.	.87	.53	.84	T.		5.60
Dam 19, O. R.[2]†	Ohio		.18			.05	.42									.30	.02	.01					.08	T.		.01		T.	2.12	T.	.26	3.45
Dam 20, O. R.[2]†	do	.22	.05	.24		.05					T.					.45		T.					.05	T.		T.	.06	T	1.48	.05	T.		2.65
Elizabeth (Dam 3)[2]	Litl.Kanawha	.40	.10	.27		.33	.04									.30	.05						.35			.73		1.40		.14			4.11
Elk†	West Fork		.43			.08				.34	.48					.88	.10			.16								1.80	1.61				5.88
Elkins[1]†	Tygart	.04	.34		T.	1.34	.03			.01	.46			.71		.15		T.	T.	.39	.08		.30		T.	.48		1.17	.42				5.92
Fairmont[3]	Monongahela		.65	.10		.10	1.86				T.	.36		.18		.29	.03		.09	*	.18		*	.38			.03	.52	.90	.16	.60	6.43
Glenville[2]	Litl.Kanawha		T.	.56		.11					1.10					.62	.06	T.					T.	.29			.87		1.28	.71			5.60
Grafton	Tygart		.25	.03			.04			T.	.08	.03		.01		.80	.03	T.	.12	.51		T.		.21			.27	1.21	1.00	.92	.13	.36	6.00
Hackers Creek†	West Fork	.02	.02	.10		.03					.12		.03			.54				.29				.03			1.12	1.30	.81		.39	.30	5.10
Hall[2]	Tygart		.13	.77		.44	.17	T.			.89	.08				.92	.08							.45				1.35		1.27	1.48			8.03
Harrison Co. Arpt.[4]	West Fork	.02	.28		.11	.07				.27	.03				.26	.01	T.					T	.44		T.		.43	.67	.88		.25		3.72
Hastings	Ohio		.25	.04		.70		.01								1.05	.12							1.28			.04	.58	.54	1.28	.40	.07	6.36
Horner	West Fork		.55			.17					.11					.60							.10	.25			1.40	1.00	1.25	1.07	.10		6.60
Ireland	do		.55		.64	.42	.31				.05				.09	.81		.03										2.65	1.64	1.03	1.05		9.27
Jane Lew	do	T.	.38		.04					.26	T.					.60							.50				.96	.84	.50	.19			4.27
Kumbrabow St. For.†	[2]Tygart		.55	.03	.08	1.37	.05			.04	.02	1.01				1.13	.03		1.18	.38			.56	.06				1.56	1.12	.07			4.27
Mannington	Monongahela		.68			.41					.24				.02	.40	.04		.02				.10	1.41		.24	.51	.58	.40	1.76	.11	.01	6.93
Middlebourne[2]	Middle Is.Creek	T.		.25			1.00				T.					.43	.04	.01	T.		.01		.24	.36			.06	.04		.70	1.17		5.79
Midvale[2]†	Tygart		.05	.57		.02	.26	.46			.17	.40				1.24	.04			T.	.01		.24	.36			.06	.04					3.08
Morgantown	Monongahela	.01	.63			.49					.06				.02	.33	.03	.05	.07				.05	.05			.05	.36	.85			.03	
Mt. Clare	West Fork	.01	.10		.06	.07					.23					.45					.15			.13	.25				1.00	2.21		.44	5.10
New Cumberland	Ohio	.22	.60								.07			.28	*	1.85							.02	.20			.06		.38	.28			3.96
New Martinsville	do	.10	.47			T.		.10							.28	.25	.14	T.	T.					.57		.39	.32		.55	.70	.07	T.	3.94
Parkersburg[1]†	do	.09	.26		.29	.33	T.			T.	.11				.22	T.	.03						.01	T.		T.	T.	T.	.95	1.60	T.	.10	3.99
Parsons	Cheat		.63	.01		.22	.07	T.		.08	.25					1.04		.04	T.				.40	.06			.03	.04	1.21	1.25	.14		5.47
Pbilippi[2]	Tygart		T.	.43		.11	.20			T.	.31	T.				.90	.19	T.			T.			.34			T.	T		.63	.91		4.02
Pickens	do		1.12		.19	.81	.08					.03			.05	1.08		.65		.65			1.30		.05		.02		1.70	1.10			8.83
Roanoke	West Fork		.66	.05		.20	.10			.95						.50							.18	.80			.32		1.20	.93	.18		6.07
Rockford†	do		.28		T.	.07										.55					.65			.23				.33	1.02	1.48			4.78
Rowlesburg[2]	Cheat		T.	.48		T	.40	.15			.20	.12				1.08	.23		.36					.08				.72		1.37	.66			5.85
Saint Marys[2]	Ohio	.45	.06	.21		.08	.10									.98	.07						T.	.23			.25	.38		2.07	.33	.03	5.24
Salem	West Fork		.75			.38					.20				.55	.55										.35	.14		.59	1.20		.11	4.82
Shinnston	do		.20			1.70					.09					.25								.65				.75	1.00		1.11	5.75
Thomas[2]	Cheat			.35			.22	.10			.65	.48				1.30			.28		.15			.42					2.60	1.00			7.55
Valley Chapel	West Fork		.19	.03		.18	.06	.05		.05	.10			.06		.57							.15	.15		.05			.72	.85	.39		3.59
Valley Head[2]	Tygart		.17	.29		.34	.59	.06			.06	.05				1.47	.06		.90	.04				.20					.12	.81	1.47		6.63
Vandalia†	West Fork	.46	.42		.63	1.24					.71			.28	.51									.20									8.28
Wellsburg (near)	Ohio	.05	.64								.13				.30	.51							.42	.20		.51	.50		1.26	1.06	.08		2.51
West Milford	West Fork		.20	.05			.50			.05	.17					.35							.18	.08				.22	.13	.09	.18	T.	5.17
Weston[2]	do		.18	.46		.04	.06	.24			1.35	.90				.46	.08							.05		.08			1.10	1.10	1.40	.12	7.98
Wheeling (Dam 12)[2]	Ohio	.24	.03	.42						T.	T.					.27	.13	.01						.55			.35	.65		.84	1.82			1.64
Southern Division																																	
Alderson	Greenbrier		T.																														
Arbovale	do										T.			T.	1.10	.10				T.			.60			.10		1.20	2.10	.32	T.	5.52
Athens	New	.35	.81		.27	.15	T.			.62	.06			1.85	.04		.18		.64	.24	.06	.44	.25		T.	.19	.03	.54	.94	.33		7.99
Bluefield	New	.08	.03		.02	.08	.04			.43	.24			.72				T.	T.	.72	*	.25						1.24		.54	.45	.02		4.86
Camden-on-Gauley[2]	Gauley					.49					.16				*	.86					.30		.47			.22	2.20			1.04			5.74
Charleston	Gr. Kanawha		.07	.62		.63	1.05								2.10	.46						.10	1.43			.05		.13	1.28	.73			9.08
Charleston (Airport)[4]	do	.06	T.	.11		1.22	.09				.08	.02				.73	T.	T.			.43		.20	T.			.02	T.		1.52	.76	.02		4.77
Clay	Elk		.20	.40		.87	.18				.10			T.	.32	T.						.10		T.		T.		.47	1.66	.04	.21		4.27
Flat Top[4]	New	.03	.06		.33	.31				.27	.54				.37	.22		.03		.07	.83	.94		.47	.77	T.	.57	.19	.03				6.03
Gary[2]	Big Sandy		.19	T.		.20	.25				1.13	.28				1.09						.01	.34				.77	.34	1.20	.03			5.83
Greenbottom†	Ohio					.21									.45	.31							.73					.62	.58				2.93
Hinton[2]	New		.08			.02	.15				.10	T.				.69	.06			.10		.04	.85			1.03	.74	.56	.28	.31		5.01
Hogsett[2]	Ohio		.11	1.27		.25	02									.54	T.									.33	.55		.55	.01	.29		3.92
Huntington	do	.03	.34												.65	.09						.42	.18		.38			.42	.17	.07	T.		2.75
Kayford[2]	Gr. Kanawha			.32		2.40					.18					.60							.55				.95		.85				5.85
Lewisburg	Greenbrier																																
Logan[2]	Guyandot		.50	.18		.03	.04				.39	.60		.01	.01	.55								.25				1.67	.02	1.33	.45	T.		6.02
London Locks[2]†	Gr. Kanawha		T.	.35		2.63	.04				.04		.05			1.27	.04							.64			.35	.88		.98	.41	.52		8.20
Madison[2]	Coal		.06	.17		.03	.11				.06				T	.55	.01							1.78	T.			.02	.02	.59	.55	T.		3.95
Oak Hill[2]	New	.04	.32		2.59	.08				.03	.32				.38					.60		1.27			.05	.05	1.56	1.51	.95	.13			9.88
Pineville[2]	Guyandot		.05	.29		T.	.15				.54	.04				T.	.84						.02	.38		T.	.10		T.	2.70		.26	6.06
Point Pleasant[2]	Ohio		.37			.10	.84	.06							.02	1.19	.02				.79		.92			T.	.64		T.	1.90	.19			6.35
Princeton[2]	New	.14			.02	.27			.03	.40				.42	.05					.09		.32		.12	.58		.76	.38					3.58
Rainelle	Greenbrier		.31	T.	.01	.36				.20				T.	.57	T.	.20			.84	.50	.14	.35			.16		.22	1.48		.04		5.38
Ravenswood[2]	Ohio	.26	.28	.29		.55								.12	.42	T.	.02					.15	.04										
Richwood[2]	Gauley				.26										.36													1.98	.32	.08		4.51
																										.80	.85	.30	.16		2.73

Continued on next page.

Daily Precipitation for July 1945 – Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio				1.50	.40	.04																						1.60		.30		§§
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier															.55		.02					.10	.06						1.14		.20	3.73
Spencer[2]	Litl.Kanawha		.57	.58		.24		.05			.22	T.				1.28			.17		T.		.28	.40				1.14	.50	1.23	.48	.03	8.91
Summersville[2]	Gauley		.46	1.06		.80	.60	.08		T.	T.	.40				.90			.32				.72	.62				1.05	1.02	.37			6.74
Sutton	Elk		.52		.26	.96										.90			.32													
Union[2]	New						.05				.05	.22				.55	.30		.12			.55	.75	.37			.75	.30		.40	.12	.09	4.62
Wayne[2]	Twelvepole		.14				.16				.33					.96	.09							1.33						1.14	.10	.04	4.29
Webster Springs	Elk	1.02				.10					.05							.22					.15						1.10	1.95			4.59
White Sulp'r Spgs.	Greenbrier		.33			.30				T.		.16				1.01		.06			.40	T.	.22	.24			.66	.05	1.12		.03	4.58
Williamson[2]	Big Sandy		.02	.27		.10	.13				.21	.04				.59					.51		.02	.05		T	.34		1.50	.30	T.	3.17
Winfield Locks[2]†	Gr. Kanawha			.35		.11	.02									.48		T.														3.17

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson Miletus; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for July 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	88	80	80	79	78	77	73	78	84	78	68	73	80	81	80	67	66	75	80	83	82	76	80	81	84	82	80	81	77	81	80	78.5
	Minimum	61	59	49	42	52	57	51	44	50	66	48	34	46	52	60	53	50	51	54	56	53	59	57	57	55	62	60	62	64	57	57	54.1
Bluefield	Maximum	90	88	77	76	78	83	84	84	84	82	78	75	82	83	82	71	76	80	84	85	83	86	87	88	88	83	82	80	84	84	82.4	
	Minimum	67	66	52	64	64	65	59	59	55	64	56	50	61	68	64	50	50	60	66	64	59	60	60	61	62	66	65	66	66	70	67	61.5
Brandywine	Maximum	95	90	78	80	86	87	81	87	89	88	86	79	88	86	81	76	74	83	86	89	88	86	89	88	94	89	90	87	85	88	89	85.9
	Minimum	58	59	47	45	53	55	50	41	55	56	46	38	46	57	62	46	42	53	52	56	55	56	58	59	58	59	60	62	61	57	59	53.6
Buckhannou	Maximum	89	74	74	82	79	81	78	81	86	89	75	78	82	86	81	69	76	80	84	85	87	85	83	85	87	87	85	80	80	85	85	81.6
	Minimum	63	59	48	49	59	61	56	51	58	61	50	44	51	59	62	53	50	51	51	58	60	63	58	58	59	63	60	63	64	58	62	56.8
Cairo	Maximum	94	89	76	82	87	84	87	88	91	91	84	82	85	89	82	79	81	82	89	92	93	93	89	91	95	92	94	88	86	88	88	87.5
	Minimum	67	64	50	52	62	64	56	54	60	65	48	43	52	63	65	56	58	56	58	60	63	67	64	63	63	67	68	68	64	63	65	60.3
Charleston (Airport)	Maximum	92	72	76	86	86	87	87	90	91	85	80	81	91	84	80	73	83	87	91	97	95	93	93	97	94	94	91	84	89	90	91	87.4
	Minimum	67	56	54	56	65	62	58	55	62	62	51	49	58	67	54	51	53	57	61	63	66	67	63	66	66	69	69	69	66	65	68	61.1
Clarksburg[3]	Maximum	86	70	76	84	81	85	83	85	87	79	75	81	88	84	77	65	74	83	89	91	93	86	86	89	89	92	87	75	78	85	87	82.9
	Minimum	70	70	50	51	53	63	57	54	55	62	50	44	49	55	64	57	53	56	57	59	62	64	59	61	62	63	65	67	69	63	63	58.9
Cranberry Glades	Maximum	85	75	73	68	75	76	73	78	78	77	69	62	79	75	68	65	71	75	79	76	78	78	78	79	83	80	80	76	78	80	80	75.7
	Minimum	58	54	46	45	58	52	49	36	48	56	45	35	43	58	58	45	42	44	48	49	50	58	52	48	51	59	58	57	60	53	56	50.7
Elkins	Maximum	88	76	74	78	81	80	77	82	86	79	70	75	89	83	71	66	73	80	86	86	87	84	84	85	88	86	86	81	81	84	84	81.0
	Minimum	66	58	52	49	58	60	54	49	55	60	45	42	54	57	60	52	53	53	59	58	59	62	59	58	59	64	63	64	66	60	63	57.1
Fairmont[3]	Maximum	92	73	80	87	83	86	86	89	93	83	79	85	91	87	82	69	78	87	91	92	93	87	90	92	94	93	91	75	84	90	90	86.2
	Minimum	71	64	51	55	64	65	58	57	62	66	54	46	56	63	66	58	57	60	60	64	64	69	61	66	65	65	68	65	68	70	64	67	62.2
Flat Top	Maximum	83	79	72	72	74	77	75	79	74	77	66	70	79	78	70	60	70	76	80	83	83	80	80	81	85	84	82	80	77	80	81	77.0
	Minimum	60	53	48	58	58	58	51	47	59	56	44	49	48	61	51	46	51	55	60	57	53	57	57	54	55	63	63	62	64	63	64	55.6
Gary[3]	Maximum	91	84	80	83	83	85	83	87	87	83	76	82	88	83	77	69	80	85	88	89	90	88	88	90	92	91	85	89	85	88	85	85.1
	Minimum	65	66	56	56	60	62	61	53	57	61	56	49	52	56	65	53	52	54	56	62	62	63	63	63	63	64	65	66	68	68	68	60.2
Glenville	Maximum	93	82	83	85	85	89	88	90	92	89	83	83	91	89	81	79	85	86	94	95	96	93	91	95	96	95	95	89	86	89	89	89.8
	Minimum	77	64	52	55	65	65	58	62	62	64	51	48	57	63	66	58	57	59	61	64	66	68	65	66	65	70	68	68	69	65	68	62.8
Grafton	Maximum	90	90	77	80	80	80	81	82	86	86	79	79	80	88	89	75	76	83	86	86	91	91	83	89	89	88	90	84	76	84	85	84.0
	Minimum	65	60	47	50	60	61	56	49	56	61	47	40	51	58	62	54	51	53	55	59	60	63	59	61	60	64	61	65	65	59	62	57.2
Huntington	Maximum	94	80	81	87	89	91	88	91	94	89	83	82	93	89	80	74	84	87	92	96	93	94	93	96	95	93	92	89	90	91	89	89.0
	Minimum	71	73	56	59	69	68	61	59	65	67	55	50	55	69	68	55	57	59	63	66	68	72	67	68	69	72	70	72	71	69	72	65.0
Logan[3]	Maximum	98	77	81	88	87	90	89	91	95	87	80	84	92	90	82	72	80	89	94	96	96	94	94	97	96	97	90	88	88	90	92	89.2
	Miuimum	70	69	60	60	61	65	62	55	56	64	55	53	55	62	66	55	58	60	65	67	66	69	65	68	66	68	70	69	69	70	70	63.5
Madison[3]	Maximum	92	74	78	85	86	88	85	89	92	85	79	82	90	85	80	68	82	87	92	93	93	92	89	80	92	94	94	89	86	86	90	89.2
	Minimum	66	67	58	55	58	61	60	53	57	56	37																69	69	69	68	71	
Manniugton	Maximum	92	84	80	85	82	85	84	87	88	86	80	82	89	88	79	73	77	83	91	91	92	85	89	91	90	91	90	86	81	88	87	85.7
	Minimum	70	60	48	50	60	61	55	51	57	62	46	39	53	57	63	55	56	58	55	59	60	64	58	61	60	64	64	67	67	67	63	58.4
Martinsburg	Maximum	95	88	79	82	82	85	84	86	81	89	76	79	83	82	77	76	70	78	79	86	90	83	81	88	90	92	88	84	80	88	86	82.7
	Minimum	71	59	56	64	65*	65	57	62	67	58	48	57	63	69	60	62	65	66	66	66	68	67	69	67	71	71	70	69	67	69	68	64.6
Morgantown	Maximum	89	70	75	83	78	82	81	85	88	83	75	80	86	86	80	68	75	82	90	92	93	87	88	91	90	92	88	84	80	88	86	83.7
	Minimum	70	55	52	66	64	67	56	60	63	65	50	45	60	68	64	54	55	58	61	64	63	70	61	63	67	66	64	68	68	64	67	61.9
New Martinsville	Maximum	92	85	80	90	85	90	86	90	94	87	78	85	92	88	80	70	79	87	93	95	95	92	90	94	92	95	92	85	85	92	91	88.0
	Minimum	69	62	53	53	65	66	60	57	63	69	53	47	54	64	65	57	60	61	61	63	64	68	62	67	65	68	68	69	70	67	68	62.5
Parkersburg	Maximum	86	73	76	86	84	86	84	88	91	82	75	84	90	79	78	70	78	85	91	94	95	90	91	93	92	95	88	75	84	88	89	85.2
	Minimum	70	59	53	53	67	70	61	62	65	64	56	50	53	68	59	56	58	60	64	67	68	71	67	65	70	72	70	70	71	68	71	63.8
Petersburg	Maximum	97	88	80	83	84	87	85	90	92	87	77	76	90	87	83	76	68	65	89	91	92	88	88	89	94	83	85	85	82	91	90	85.9
	Minimum	69	60	56	52	63	64	57	53	59	65	50	44	55	63	63	56	53	57	64	64	60	65	64	66	62	67	66	68	66	65	66	60.7
Pickens	Maximum	88	58	70	74	71	78	79	74	78	80	82	75	82	80	72	71	69	72	79	80	83	75	85	80	88	89	84	85	80	82	88	78.4
	Minimum	58	50	42	44	43	52	48	46	44	48	48	39	47	55	54	48	44	40	48	49	42	54	50	50	52	58	58	55	54	52	52	49.2
Point Pleasant	Maximum	94	94	79	88	88	86	85	90	91	90	83	82	92	91	80	72	82	86	89	94	94	94	93	94	94	94	93	90	89	88	90	88.7
	Minimum	70	64	55	57	67	68	59	60	65	70	54	49	53	69	68	57	58	58	63	66	68	72	65	68	69	71	68	70	71	68	71	64.2
Rainelle	Maximum	91	85	79	79	82	82	80	87	85	88	82	82	86	84	75	72	75	81	88	85	85	85	85	87	89	89	86	86	83	84	85	83.6
	Minimum	62	61	51	50	57	55	52	44	53	58	49	41	50	58	62	42	49	49	56	57	57	59	57	56	57	68	62	61	62	59	62	55.4
Spencer[3]	Maximum	90	71	79	87	84	84	84	88	90	85	82	83	90	83	79	68	82	84	93	93	93	90	91	94	93	95	90	78	87	86	90	86.0
	Minimum	66	67	50	53	61	64	55	54	61	65	55	44	53	65	65	55	53	53	58	61	61	64	63	63	63	68	67	69	68	62	69	60.5
Summersville	Maximum	90	77	75	80	81	81	80	84	86	81	71	77	85	83	75	63	73	80	85	88	87	85	83	86	88	88	84	81	87	86	87	81.8
	Minimum	58	62	50	50	52	58	56	45	44	61	47	43	51	50	50	43	43	47	46	55	54	54	58	56	51	65	62	62	62	58	60	53.3
Sutton	Maximum	96	94	82	80	86	90	90	88	90	90	88	82	90	90	90	82	80	86	91	93	95	95	90	92	95	95	95	93	90	90	92	89.7
	Minimum	68	62	52	50	54	61	60	49	60	56	50	46	55	60	61	65	56	55	61	60	63	65	63	62	63	64	62	65	62	60	63	58.8
Wardensville[3]	Maximum	95	88	80	84	86	86	84	88	90	89	76	76	85	88	82	72	66	81	84	88	90	87	83	86	93	89	80	85	83	89	86	81.6
	Minimum	65	66	53	49	63	57	56	50	57	63	51	39	52	58	67	52	51	56	60	62	52	63	63	65	64	68	68	69	68	64	66	59.3
Weston	Maximum	96	71	82	85	86	89	88	90	95	85	80	85	91	90	81	66	85	89	94	96	97	90	91	95	95	95	92	81	84	92	90	87.9
	Minimum	70	69	52	52	62	67	60	54	61	65	52	46	56	63	67	56	55	55	59	62	65	67	64	64	64	68	65	68	69	64	67	61.5
Wheeling[3]	Maximum	89	73	77	87	85	87	84	88	91	82	76	84	89	80	78	75	77	83	91	92	93	91	90	95	92	92	89	76	86	90	90	85.5
	Minimum	71	65	54	56	60	69	58	61	64	67	52	48	51	56	65	58	56	58	62	64	64	65	65	65	67	70	70	70	69	69	70	62.5
Williamson[3]	Maximum	95	79	82	88	88	90	88	91	95	88	80	82	92	89	80	72	83	89	94	93	93	93	93	95	97	97	93	88	87	93	90	88.9
	Minimum	70	71	59	60	63	65	63	55	61	64	55	53	56	60	67	55	55	57	60	63	66	68	66	67	68	69	71	71	70	70	69	63.5

Daily Evaporation (inches) and Wind Movement (miles) for July 1945

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.276	.108	.202	.170	.090	.082	.240	.291	.137	.401	.244	.242	.136	.227	.126	.224	.030	.119	.208	.219	.216	.186	.111	.167	.264	.099	.189	.152	.027		.130	5.490
	Wind movement	39	43	19	28	13	11	37	37	30	47	65	32	25	19	20	112	7	37	24	19	19	12	16	11	8	11	24	23	*	11	5	804
Wardensville	Evaporation										.147	.127	.268	.293	.232	.167	.348	.243	.145	.213	.126	.339	.001	.108	.074	.169	.215	.252	.154	.059	.255	.103	.181	.065	.054				5.804
	Wind movement	33	28	36	30	51	25	35	29	27	34	72	23	34	25	33	44	13	16	26	25	7	28	32	17	20	16	24	25	7	23	25	863

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—9-26-45—925)

NWE

OCT 23 1945

UNIVERSITY OF ILLINOIS

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

S. S. SCHWORM

PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIII AUGUST 1945 No. 8

GENERAL SUMMARY

While the average rainfall was 3.72 inches or only 0.39 inch below normal, yet the station totals varied from 9.23 inches at Hackers Creek to 0.81 inch at Wheeling. There was an area in the north-central part of the State wherein plus departures of two to four inches occurred. Heavy precipitation during a thunderstorm in the early morning hours of the 2d caused flooding of the small tributaries of the Kanawha River between Montgomery and Charleston. Two lives were lost by drowning in Cabin Creek during the flood. There was considerable damage done to homes, crops, highways, and gas lines. Heavy rains, locally excessive, on the 1st-2d produced damaging floods in the eastern sections of Jackson County. The excessive rains were confined to small drainage basins, as Joe's Run, Big Run, Little Mill Creek, from Big Run to Elk Fork, and Elk Fork to Tug Fork, were the only streams that rose to the highest stages of record. Across the divide, Cedar Creek (Little Kanawha Drainage Basin) also rose rapidly, but crested below the disastrous August 1943, crest. Considerable damage was done to bridges on secondary roads, buildings, and crops. It was estimated that the damage in the Cedarville area amounted to $15,000 and in Jackson County $150,000. On the 24-25th the West Fork River at Clarksburg was above flood stage with the most severe damage in the basin confined to the Elk Creek Valley at Clarksburg, where 25 families were forced to move. Rainfall was markedly deficient in the southern division while near drought conditions prevailed during the latter part of the month in all the counties bordering the Ohio River.

Mean temperatures were somewhat below normal in all but the north-central counties and a few widely scattered stations in the south and northeast. However, warm days and nights were the rule in most places. Frosts that occurred at the higher elevations on the 27th did no appreciable damage.

Ample moisture was available for crop use during the month in practically all localities except those immediately contiguous to the Ohio River where dry weather set in during July and was continuing at the end of August. Corn made rapid progress during the warm days and nights and at the end of the month much of it was denting. The harvest of oats was virtually finished and much second-growth clover and alfalfa hays were secured. Commercial potatoes turned out very good yields and were practically all dug during the month. Gardens and fruit made normal or a little better progress during the month. A good crop of peaches had been gathered and a small crop of fall apples was being picked at the close.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 71.0°, or 0.8° below the normal. The mean for the northeastern panhandle division was 70.6°; for the northern division, 70.4°; and for the southern division, 71.9°. The highest monthly mean was 76.8° at Williamson and the lowest, 61.4° at Pickens. The highest temperature was 98° at Pineville on the 29th, at Williamson on the 30th, and at Charleston Airport, Hamlin, New Cumberland, Wellsburg, and Williamson on the 31st, and the lowest, 31° at Brandonville and Canaan Valley on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was 3.72 inches, or 0.39 inch below the normal. In the northeastern panhandle division, the average was 3.77 inches; in the northern division, 4.30 inches; and in the southern division, 2.77 inches. The greatest monthly precipitation was 9.23 inches at Hackers Creek, and the least, 0.75 inch at Branchland. The greatest amount in any 24 consecutive hours was 5.37 inches at Valley Chapel on the 23-24th. The average number of days with .01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	10	22	19	9	1	2	2	31	26	9	2	7	7	5	13	5	35	27	39	36	19	4	6	29	10	36	8	9	9	25
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	1	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	7	4	9	..	1	7	3	2	1	..	..	2	..	..	1	..	2	1	..	..	..	..	..	..	..	..	..	..	1	3	2

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.23	9	29.84	6	5.6	15	w.	14	91	53	63	65	4
Columbus, Ohio	30.23	9	29.82	7	7.3	31	sw.	11	87	53	64	67	3
Elkins	30.28	31	29.81	7	4.5	22	nw.	25	97	61	84	59	17
Huntington Airp't.	30.22	30	29.85	25	.....	20	nw.	26	90	50	66	....	0
Parkersburg	30.21	31	29.81	6	5.3	17	nw.	25	86	48	58	69	1
Petersburg, W. Va.	30.26	31	29.77	25	.....	22	w.	30	92	51	67	....	8
Pittsburgh, Pa	30.21	31	29.74	25	8.1	26	n.	7	82	47	58	60	7

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	69.8	..	..	3.48	6.10	4.73	5.48	0.0	7	..	..	..
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	..	..	..	..
1893	70.8	98	41	3.43	3.17	3.84	3.38	.0	..	..	..	..
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	11	11	11	9
1941	71.2	102	32	4.63	5.59	3.69	4.80	.0	9	17	9	5
1942	71.1	100	**30**	7.44	7.24	7.08	7.22	.0	14	9	12	10
1943	72.3	105	38	2.26	5.15	3.13	3.95	.0	9	16	9	6
1944	72.2	105	32	2.01	3.14	3.09	2.96	.0	10	14	10	7
1945	71.0	98	31	3.77	4.30	2.77	3.72	.0	7	16	9	6
Period	71.8	112	30	3.82	4.23	4.14	4.11	.0	10	14	10	7

Climatological Data for August 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	65.5	−0.3	83	3†	33	27	4.47	+0.09	2.35	24	0	8	17	9	5	w.	Howard R. Fulk
Braudywine	Pendleton	1,586	29	68.2	−1.7	93	30	35	27	2.21	−1.37	0.85	24	0	8	25	3	3	sw.	E. L. Keister
Great Cacapon	Morgan	500	1	73.6	.....	94	21†	50	26	4.63	.....	1.98	24	0	10	15	9	7	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	5.06	+1.05	1.25	1	0	7	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	72.4	.....	95	22†	48	27†	3.28	.....	1.77	24	0	7	18	9	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	71.9	−2.4	94	29†	46	27	3.30	−0.45	2.05	24	0	5	15	8	8	n.	University Exper. Station
Martinsburg	Berkeley	435	53	72.0	−1.0	93	30	50	28	2.32	−1.74	1.55	24	0	6	21	5	5	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	70.2	−1.1	97	28	36	27	2.71	−0.28	1.70	24	0	5	16	11	4	w.	R. E. Saville
Petersburg	Grant	1,029	6	71.0	.....	94	29	42	27	2.81	.....	2.19	24	0	7	11	9	11	se.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	70.9	+0.4	91	30	43	27	5.15	+1.56	2.12	24	0	7	16	11	4	w.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	5.56	+0.98	3.06	24	0	6	9	6	16	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	27	69.8	+0.3	91	29†	40	27	5.68	+2.05	1.93	1	0	10	....	....	....	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	5.88	+1.40	3.56	24	0	5	12	12	7	.....	L. Esle Bond
Beuson	Harrison	1,080	20	71.4	+0.7	93	31	41	27	6.82	+2.37	4.13	24	0	9	14	12	5	.....	R. D. Marts
Bens Run	Pleasants	652	44	73.6	0.0	97	31	49	27	3.29	−0.95	2.30	1	0	5	23	6	2	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	63.9	.....	89	31	31	27	4.73	.....	2.98	24	0	7	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	72.6	+0.4	96	31	44	27	6.01	+1.74	2.71	24	0	7	19	9	3	se.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	67.6	−2.3	87	31	38	27	4.53	+0.44	2.10	24	0	7	17	10	4	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	71.8	−0.7	93	30†	42	27	3.08	−0.79	0.99	1	0	5	13	15	3	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	62.4	.....	88	31	31	27	3.40	.....	1.95	24	0	8	0	29	2	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	69.3	−2.7	92	31	44	27†	4.83	+0.35	3.44	24	0	7	20	7	4	se.	Clarksburg Water Board
Creston	Wirt	640	44	72.5	−0.6	94	31	44	27	3.47	−0.39	1.10	1	0	8	10	18	3	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	69.8	....	90	2†	45	28	2.96	−1.10	1.24	24	0	7	20	5	6	s.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	1.25	−2.12	0.53	6	0	9	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	3.75	−0.38	1.93	24	0	7	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	3.07	−0.59	1.73	1	0	7	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	2.62	−1.17	1.02	1	0	5	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	2.69	−1.31	1.20	1	0	6	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	67.6	−0.7	88	31	41	27	2.54	−1.32	1.57	24	0	7	11	7	13	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	73.3	+0.6	95	31	45	27	3.70	−0.30	2.01	24	0	7	20	4	7	w.	J. C. Robinson
Glenville	Gilmer	738	57	74.7	+0.8	97	31	48	27	7.18	+2.95	3.52	24	0	7	18	12	1	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	68.6	−2.8	92	21	39	27	6.54	+2.83	4.70	24	0	10	23	2	6	.....	L. W. Clayton
Grantsville	Calhoun	760	1	74.4	.....	95	31	47	27	4.50	.....	1.70	24	0	5	...	....	....	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	69.6	.....	91	31	40	27	6.91	.....	4.77	24	0	7	14	11	6	n.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	....	....	.....	.....	2.01	.....	1.06	6	0	6	15	14	2	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	7.21	+2.36	4.00	24	0	5	.....	.....	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	43	70.2	0.0	91	13†	39	27	2.05	−2.03	0.85	6	0	9	19	6	6	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	4	71.4	.....	97	31	42	27	2.16	.....	0.57	1	0	7	22	6	3	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	71.4	−0.6	90	19†	43	27	2.97	−1.04	1.31	24	0	6	23	6	2	w.	State Dairy Farm
New Cumberland	Hancock	671	50	72.4	+1.6	98	31	42	27	1.33	−2.06	0.45	7	0	8	17	5	9	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	73.8	+0.1	96	31	46	27	3.52	−0.37	1.74	1	0	6	19	12	0	w.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	73.8	−0.1	94	31	47	27	3.12	−0.39	1.77	1	0	6	14	10	7	se.	Section Center
Parsons	Tucker	1,649	46	69.6	+0.2	90	31	44	27	4.19	+0.14	2.43	24	0	9	...	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	5.07	+0.83	2.59	24	0	9	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	61.4	−5.1	85	2	34	27	3.42	−2.05	2.33	24	0	7	18	8	5	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	5.82	+1.48	3.41	24	0	6	20	5	6	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	72.0	.....	94	31	49	27	6.73	+2.20	4.23	24	0	6	....	....	...	sw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	2.42	−1.67	1.32	1	0	4	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	4.14	−0.95	2.77	24	0	7	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	73.2	+0.7	95	30†	45	27	7.71	+3.55	5.37	24	0	7	16	9	6	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	71.0	+0.7	98	31	38	27	2.73	−0.83	1.63	2	0	6	14	12	5	.....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	6.55	+1.93	4.72	24	0	6	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	73.9	+1.2	96	31	48	27	5.44	+1.74	3.16	24	0	8	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	73.6	+0.8	96	31	46	27	0.81	−2.74	0.44	7	0	7	17	6	8	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	72.6	.....	92	1†	44	27	2.05	.....	0.85	16	0	4	....	....	....	....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	2.18	−2.13	1.28	24	0	7	14	11	6	w.	H. S. Sutton
Athens	Mercer	2,600	5	70.0	.....	88	31	52	18†	1.16	.....	0.45	6	0	4	18	8	5	sw.	Concord College
Bluefield	Mercer	2,558	50	70.7	+0.2	87	31	44	27	2.76	−0.85	0.81	16	0	10	21	4	6	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	74.5	−0.8	96	31	51	26†	2.03	−2.44	0.78	2	0	9	19	8	4	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	74.0	.....	98	31	48	27	2.14	.....	0.87	2	0	7	6	18	7	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	62.2	.....	83	28†	32	27	2.43	.....	1.34	24	0	10	8	14	9	w.	Department of Justice
Flat Top	Mercer	3,235	7	66.0	.....	84	29†	36	27	2.53	.....	1.02	24	0	8	11	12	8	n.	U. S. Airway Station
Gary	McDowell	1,426	28	71.8	−0.2	93	31	44	27	2.56	−1.55	1.35	7	0	6	....	..	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	74.4	.....	98	31	48	27	...	.....	.....	.....	.....	...	.....	.....	.....	.....	State Forest Nursery
Hamlin	Lincoln	641	2	72.4	.....	98	31	40	27	0.77	.....	0.30	24	0	4	16	9	6	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	73.2	−0.1	97	29†	46	27	2.77	−1.39	1.36	15	0	7	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	75.9	+1.1	97	31	50	27	1.04	−2.66	0.50	15	0	7	11	14	6	nw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	2.05	−2.78	1.40	2	0	3	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	..	.....	.....	
Logan	Logan	700	32	.....	.....	.....	.....	.....	.....	2.82	−1.67	1.47	2	0	8	.....	.....	.....	.....	Paul A. Simonds
London Locks	Kanawha	623	10	75.0	.....	97	7	53	26†	5.75	.....	3.82	2	0	7	....	..	....	e.	Lockmaster
Madison	Boone	675	24	73.0	−1.4	93	30†	49	27	4.48	+0.66	3.20	2	0	8	18	12	1	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	69.2	.....	93	1	40	26	3.07	.....	1.03	23	0	8	15	7	9	.....	M. H. Martin
Pineville	Wyoming	1,350	3	74.0	.....	98	22†	40	27	2.20	.....	1.03	1	0	7	19	3	9	.....	Charles Dameron
Point Pleasant	Mason	595	55	75.4	+0.7	97	31	50	27	1.41	−1.80	0.80	3	0	5	21	3	7	n.	E. C. Winger
Rainelle	Greenbrier	2,424	14	68.0	−0.3	90	29†	38	27	3.42	−2.36	1.70	24	0	11	19	1	11	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	71.0	−1.9	92	30†	43	27	3.03	−0.32	1.54	2	0	5	12	8	11	sw.	Lockmaster
Richwood	Nicholas	2,193	14	*68.8*	−1.6	.....	.....	.....	.....	1.22	−3.94	0.48	24	0	5	13	11	7	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenbouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Supt., State Forest
Spencer	Roane	789	46	71.4	−0.9	94	31	43	27	2.94	−1.03	1.58	24	0	7	16	11	4	.....	A. M. McKown
Summersville	Nicholas	1,900	9	67.2	.....	88	30	40	27†	3.26	.....	1.37	24	0	7	9	20	2	.....	A. E. Dorsey
Sutton	Braxton	850	42	73.6	+0.5	95	31	46	27†	8.42	+4.17	4.52	24	0	8	23	8	0	.....	C. B. Eakle
Union	Monroe	2,200	41	68.6	−1.6	90	3†	38	27	2.89	−1.04	0.70	16	0	8	....	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergle Kessler
White Sulphur Springs	Greenbrier	1,914	31	72.0	+1.7	92	30	42	27	3.10	−0.49	1.49	16	0	8	2	12	17	w.	Ashford General Hospital
Williamson	Mingo	673	44	75.8	+1.0	98	30†	51	27	5.79	+1.80	4.62	2	0	7	19	8	4	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	73.9	.....	95	30	49	28	1.88	.....	0.54	15	0	7	16	6	9	sw.	Lockmaster
State averages and extremes		.....	...	71.0	−0.8	98	22†	31	27	3.72	−0.39	5.87	24	0	7	16	9	6	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for August 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac			T.			.91	.10	.01							.05								.88	2.35			.06				.11	4.47
Braudywine	do			.40			.08	.06	T.					T.		T.		.06	.28	.11				.37	.85								2.21
Brushy Run[2]	do				T.			.15		.02							T.							.08	1.38	.57							2.20
Harpers Ferry[2]	do	1.25	T.		.46		T.	1.00																.09	1.00	1.05	.19						5.04
Inwood	do	.52	.03	.45			.38	.10																.03	1.77								3.28
Kearneysville	do	.34	T.	.51			.40																	.10	1.95								3.30
Knobly Mountain[2]†	do		.05					.70		.13			.46												2.90	.20	.06						4.50
Martinsburg[4]	do	.06	T.	.16			.33	T.								T.							T.	.21	1.55						.01	T.	2.32
McNeill†	do	T.					.57	.10		T.		.10			T.									.24	1.70								2.71
Petersburg	do	.02		T.		T.	.15	T.	T.				T.	.08	T.	.04								1.31	1.09	T.					.12		2.81
Piedmont	do	.83					1.03	.17					.24											.40	2.12	.36	T.						5.15
Spruce Knob[2]†	do	T.			.32			.17	.44	.22															1.10	.65							2.90
Stouy River Dam[2]†	do	.33			.63		.27	1.10																	3.06	.17							5.56
Wardensville[2]	do	1.93	.22		.75		.21	.17											.03	T.		T.		.83	1.17	.25						.12	5.68
Northern Division																																	
Aberdeen†	West Fork	.29		.83			1.08						T.			.12								T.	3.56								5.88
Belington[2]	Tygart	.03	T.		.10		.56	.75					T.				.21								1.75	.20	T.						3.60
Benson†	West Fork	.46	.65	.31			1.08		.05	.02						.12								.05	4.08								6.82
Beus Run	Ohio	2.30					.43					.07												.24	.25								3 29
Big Skin Creek†	West Fork	.46	.52	.56			1.67	T.		T.						.13	.02							87	1.73	T.							5.96
Brandonville[2]	Cheat	T.					1.18	.08					.12			.21									2.98	.18	.03						4.78
Brownsville†	West Fork	.30	.73	.18			1.65									.44								.13	2.58								6.01
Buckhannon	Tygart	.16	.10	.06			1.72	T.	T.				T.	T.		.39								.35	1.75	T							4.53
Cairo	Litl.Kanawha	.99	.96					.20								.45									.48								3.08
Cauaan Valley	Cheat	.03		.11			1.03	.05	.06							.17								.27	1.68	T							3.40
Clarksburg[2]	West Fork	30					.10	.65	.04								.30								2.78	.66							4.83
Crawford	do	21	.30	.10			1.45	.09						.02		.01								T.	2.21								4.39
Creston[2]	Litl.Kanawha	1.10	.02	T.			.95	.10					.30			.05									.90	.05							3.47
Dailey[2]†	Tygart		.03				T.	.48	.25							.09									1.18	.47							2.50
Dam 10, Mon. R.[2]†	Monongahela	.03					1.04	.43					.11			.11									1.08	.16							2.96
Dam 13, O. R.[2]†	Ohio	.16	.13				.06	.47		T.						.01	.17								.21	.03	.01						1.25
Dam 15, Mon. R.[2]†	Monongahela	.44	T.				.48	.84	T								.04								1.52	.41	.02						3.75
Dam 19, O. R.[2]†	Ohio	1.73	.02				T.	.27		T.		.05				.04	.08								.88								3.07
Dam 20, O. R.[2]†	do	1.02	.26				T.	.32				T.				.12									.90								2.62
Elizabeth (Dam 3)[2]	Litl.Kanawha	1.20			.25			.40				.20					.12								.52								2.69
Elk†	West Fork						1.05									1.23									3.97								6.25
Elkins[1]†	Tygart	T.		.16			.63	.01	.01				T.			.16								1.16	.41	T.							2.54
Fairmont[2]	Monongahela				.69			.71	.03				.11			.08								2.01		.07							3.70
Glenville[2]	Litl.Kanawha	.61	1.82				.63	.55									.05								2 66	.86							7.18
Grafton	Tygart	.08	.01				1.16	.14	.02				.32			.10	T.							*	4.70	.01							6.54
Grantsville	Litl. Kanawha	.70	1.00	.60			.50																		1.70								4.50
Hackers Creek †	West Fork			2.99			1.54																	.10	4.60								9.23
Hall[2]	Tygart	.65			.10		.42	.77					T.			.27									1.85	.19							4.25
Harrison Co. Arpt.[4]	West Fork	.11		T.			1.34	.10	T.			.20												1.97	2.80	T.							6.91
Hastings	Ohio	.42					1.06	.02	.04							.39									.31								2.01
Horner	West Fork	.25	.35	.30			1.20									.16									2.12								4.97
Ireland	do	.09	.07	.04			.65	T.	.05							.75									3.02								4.66
Jane Lew	do	.52		1.15			1.24									.65								.09	4.00								7.21
Kumbrabow St. For.†	Tygart	.05	.03				.38	.30	.06							.30									1.52								2.57
Mannington	Monongahela	.29					.85		.10	.01			.06			.13								.10	1.52								2.57
Middlebourne[2]	Middle Is.Creek	.57	.53				.17	.43	.08				T.			.07								.18	.48	.01							2.05
Midvale[2]†	Tygart	.03	.11		.12		.28	.80									.05								.33								2.16
Morgantown	Monongahela	.01					1.13	.30								.28									1.77	.26							3.65
Mt. Clare	West Fork			.98			.77									.22								.06	1.25								2.97
New Cumberland	Ohio	.05	.16				.25	.20			.20					.13								1.98	2.35								6.21
New Martinsville	do	1.74					1.22		.22							.28									.14	.05							1.33
Parkersburg[1]†	do	1.75		.07		T.	.14	T.			T.					.03								.17	.14								3 52
Parsons	Cheat	.02		.21			1.19	.03	T.	.09				.05		.15								.69	32								3.12
Philippi[2]	Tygart	.03	T.		.59		.14	.55					.44		.67	.15								T.	2.43	T.	.02						4 19
Pickens	do	.11		.13			.40	.22									.06								2.22	.37							5.07
Roanoke	West Fork	.14	.63	T.			.40						.14			.23			T.					.30	2.03								3.42
Rockford†	do	.35		1.50			2.63								T.									.10	3.31								5.82
Rowlesburg[2]	Cheat	.18					.10	2.11								.19								.32	4.00								8.99
Saint Marys[2]	Ohio	1.32											.57			.01									2.96	1.27	T.						6.73
Salem	West Fork	.57	.17		T.		.79									.11		T.							.52								2.42
Shinnston	do	.16					.85		.20				.07			.40								.05	1.90								3 88
Thomas[2]	Cheat	.05			.50		.18	.54								.10								T.	2.50								3.88
Valley Chapel	West Fork	.36	.19	.36			1.27										.10								2.68	.09							4.14
Valley Head[2]	Tygart	.04	T.		.18			.20								.16								.02	5.35								7.71
Vandalia†	West Fork	.42		.20			1.93	.07									.23								.80	.29							1.74
Wellsburg (near)	Ohio	T.	1.63				.06	.47								.31								.55	1.57								4.74
West Milford	West Fork	.38		.35			.91									.15								.05	.21								2.73
Weston[2]	do	.34	.21		.46		.21	.92																	4.72	.04							6.55
Wheeling (Dam 12)[2]	Ohio	.01	.01				.24	.20				.05			T.	.14									2.55	.61							5.44
Southern Division																.03								T.	.27								0.81
Alderson	Greenbrier	T.	.30					T.	.10																								
Arbovale	do	.05	.23	.12			.26		T.							.85									T.	.80								2.05
Athens	New	T.					.45	T.	T.							.14								.10	1.28								2.18
Bluefield	New	.01	.25				.33	.55	.14							.11	.20								.40									1.16
Camden-on-Gauley[2]	Gauley	.70	.38		.05			.26	.23				.13			.12	.69								.28	.26								2.76
Charleston	Gr. Kanawha	.21	.78	T	.03			.06		.01						.19									1.22	.10							3.13
Charleston (Airport)[4]	do	.17	.70	.07		.07										.52	.01								.32	.09							2.03
Clay	Elk	.20	1.25	.20				.20	.05							.65						T		.16	.32								2.14
Flat Top†	New	.32	.02				.32		.10								.10							.18	1.40	.19							3.77
Gary[2]	Big Sandy	.01	.17					1.35	.22						.47	T.								.85	.22							.23	2.53
Greenbottom †	Ohio	.24	.03	1.29												.70	T.								.11								2.56
Hinton[2]	New	.40	.53					.13						.06		1.36								.11	.06								
Hogsett[2]	Ohio	.10	.13		.78			.02				.13					T.								.26	.03								2.77
Huntington	do	.36		.02		*		.05							.50		T.							.03	.08								1.48
Kayford[2]	Gr. Kanawha		1.40													.32									.33								1.04
Lewisburg	Greenbrier																																2.05
Logan[2]	Guyandot	.03	1.47	T	.21		.09	.12						.02	.85	T.	T.							.03	T.								2.82
London Locks[2]†	Gr. Kanawha	.52	3.30				.05		.38					T.	1.05									.40	.05								5.75
Madison[2]	Coal	.31	3.20	T			.03		.08							.46	.02							.35	.03								4.48
Oak Hill[2]	New	.48		.16			.14	.25	.10					.90									1.03	.01								3.07
Pineville[2]	Guyandot	.03	1.00		.05			.47		.07						.40							T.	.18								2.20
Point Pleasant[2]	Ohio	.26			.80							.05				.05							T.	.25								1.41
Princeton[2]	New	.09					.88	.18								.05								.14	.43								2.77
Rainelle	Greenbrier	.11	.17	.01		T.	.58	.05	.03						1.00	.05								.02	1.70	.01							3.42
Ravenswood[2]	Ohio	.25	1.54		.70										.68	.06									.40								3.03
Richwood[2]	Gauley	.12						.16								.14									.48	.37							1.22
																.09																	

Continued on next page.

Daily Precipitation for August 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier																T.					T.	T.		1.58	.03							2.94
Spencer [2]	Litl. Kanawha	.34	.55	T.	.30		.11	.03									.33								1.37								3.26
Summersville [2]	Gauley	.15	.90					.32	.11	.08															4.52								8.42
Sutton	Elk	.55	2.10	.30			.10	.15							.28	.42									.40	.68							2.89
Union [2]	New	.03	.15					.68	.10	.15							.70																1.28
Wayne [2]	Twelvepole	.34			.45			.15									.17						.14	.03									
Webster Springs	Elk															1.15	.34								1.17	.05							3.19
White Sulp'r Spgs.	Greenbrier	.01	.13		T.		.02	.23	T	T.							.51								.03								5.79
Williamson [2]	Big Sandy	.05	4.62		.09			.03	.46								.54								.14	.06							1.88
Winfield Locks [2†]	Gr. Kanawha		.30		.53			.18						.13																			

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville. Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for August 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard [3]	Maximum	78	81	83	74	77	77	73	72	75	76	79	77	79	82	76	72	75	77	79	78	80	82	74	66	73	73	69	79	79	81	83	79.2
	Minimum	60	59	59	42	44	60	62	54	42	42	44	55	57	54	55	43	49	45	48	48	47	50	56	56	56	49	33	39	49	54	49	51.8
Bluefield	Maximum	82	83	85	84	85	*81*	81	80	77	79	78	78	80	83	82	83	76	76	80	78	84	85	86	82	79	77	79	86	86	86	87	81.4
	Minimum	64	67	65	64	62	*66*	66	58	53	52	58	64	61	63	68	61	60	56	*59*	59	60	58	57	65	64	*59*	44	52	60	61	60	60.0
Brandywine	Maximum	86	87	92	88	85	86	85	79	80	84	85	84	85	87	88	81	84	88	86	87	88	90	79	71	82	78	82	92	91	93	91	85.3
	Minimum	58	57	58	49	50	57	56	51	43	43	48	55	51	57	58	48	55	52	50	49	47	50	57	56	55	48	35	39	47	51	52	51.0
Buckhannon	Maximum	82	85	84	78	82	80	82	75	78	80	83	82	84	85	82	77	78	79	83	83	83	84	81	70	77	75	74	83	85	85	87	80.8
	Minimum	64	63	62	49	51	65	64	55	47	48	52	60	63	57	59	48	52	48	51	52	52	55	58	58	53	44	38	44	53	65	55	54.4
Cairo [5]	Maximum	89	89	90	88	82	84	85	81	84	87	88	87	88	91	89	82	82	85	86	90	89	91	89	71	77	82	78	89	92	93	93	86.2
	Minimum	68	72	67	52	55	67	60	60	53	54	55	63	59	62	65	52	55	51	54	57	57	60	61	64	59	45	42	46	50	59	60	57.5
Charleston (Airport)	Maximum	86	93	88	83	89	82	86	81	84	91	88	92	93	90	80	84	85	88	91	88	94	86	73	76	84	77	87	95	95	95	98	87.2
	Minimum	68	71	66	58	57	68	63	59	57	57	60	66	62	65	65	55	60	58	59	61	62	63	64	63	58	49	48	53	62	64	66	60.9
Clarksburg [3]	Maximum	82	85	86	80	81	80	78	76	80	86	89	87	88	85	74	78	78	81	86	87	86	84	72	72	78	71	79	88	89	88	92	82.1
	Minimum	67	67	68	51	51	58	66	60	53	53	53	56	58	58	62	51	53	53	53	56	58	58	61	62	64	47	44	44	47	58	60	56.5
Cranberry Glades	Maximum	79	80	79	77	71	76	77	69	74	75	76	76	74	77	77	68	75	75	76	78	79	80	68	67	73	65	77	83	83	83	83	75.8
	Minimum	57	57	55	49	45	62	55	48	39	40	43	54	50	56	58	49	52	46	47	47	45	44	54	59	50	43	32	35	42	46	46	48.5
Elkins	Maximum	78	87	82	77	81	80	80	75	79	82	84	83	85	85	76	76	75	79	82	85	84	84	73	71	76	69	78	86	88	86	88	80.5
	Minimum	64	65	58	52	51	66	61	52	50	49	53	60	54	57	58	55	53	54	54	53	53	54	61	59	58	46	41	43	52	56	58	54.8
Fairmont [3]	Maximum	84	92	88	82	85	83	87	82	84	87	90	89	93	91	82	82	87	88	89	89	93	88	77	72	82	77	82	93	94	93	95	86.5
	Minimum	68	70	69	54	57	67	67	62	55	55	59	64	61	65	70	52	56	55	57	61	59	62	63	63	64	50	45	51	60	62	62	60.1
Flat Top	Maximum	76	83	81	78	81	77	77	68	74	77	77	77	76	83	78	68	74	76	77	77	79	80	72	72	74	65	76	83	84	84	84	77.0
	Minimum	61	64	58	53	57	63	56	55	45	47	51	60	60	59	60	58	53	51	54	56	55	54	63	59	54	40	36	57	56	54	55	55.0
Gary [3]	Maximum	80	89	88	85	90	86	85	78	82	86	86	86	88	87	86	80	81	83	85	86	88	89	84	73	80	74	84	89	89	91	93	84.9
	Minimum	64	65	69	65	59	64	67	61	56	54	54	58	58	59	62	65	61	59	57	56	57	58	59	66	66	50	44	45	48	57	59	58.8
Glenville	Maximum	85	93	92	87	85	83	86	85	87	89	89	88	94	92	89	86	86	89	91	92	94	94	89	86	84	80	84	92	94	94	97	88.9
	Minimum	65	68	69	55	59	69	68	62	57	57	58	65	60	64	68	54	58	57	58	62	63	63	62	61	62	50	48	50	55	64	65	60.5
Grafton	Maximum	84	82	90	86	78	85	80	80	77	83	83	83	87	86	84	77	76	81	83	83	92	85	85	76	68	76	75	80	89	89	89	82.3
	Minimum	64	65	64	48	52	64	63	57	49	49	54	61	56	60	62	47	51	50	52	55	55	56	58	59	56	44	39	44	55	58	57	55.0
Huntington	Maximum	87	94	91	86	88	85	89	81	87	90	87	91	91	91	89	84	86	87	91	91	95	92	87	79	87	80	87	95	96	93	97	88.8
	Minimum	69	74	72	61	59	75	70	58	54	56	62	67	66	68	70	58	61	59	62	63	62	64	66	65	63	52	50	55	63	64	65	63.0
Logan [3]	Maximum																																
	Minimum																																
Madison [3]	Maximum	85	89	88	83	90	85	86	78	83	87	88	89	88	89	81	80	84	84	88	88	90	89	76	72	83	77	84	90	91	93	*93*	85.5
	Minimum	66	68	70	61	56	57	67	59	59	56	58	61	61	63	68	60	62	58	58	60	60	62	64	64	64	51	49	51	60	63	63	60.6
Mannington	Maximum	83	90	87	81	83	87	84	82	87	87	86	85	91	87	83	81	84	85	88	88	89	91	92	90	84	80	84	89	89	90	91	84.8
	Minimum	65	68	67	48	51	64	61	57	49	51	53	60	56	59	64	48	51	51	53	57	58	58	60	61	58	44	39	44	55	59	59	55.7
Martinsburg	Maximum	81	82	89	79	78	82	84	80	81	86	86	85	84	86	84	77	80	83	85	86	90	92	72	*64*	81	74	79	89	90	93	88	82.9
	Minimum	66	71	68	55	69	67	60	62	56	56	58	62	65	65	65	62	56	55	66	65	59	57	64	64	58	58	59	51	50	59	65	62	61.0
Morgantown	Maximum	82	89	87	80	84	81	81	81	81	87	86	85	88	86	80	80	84	86	90	90	90	87	79	69	79	74	76	87	88	89	90	83.8
	Minimum	68	69	68	51	65	65	64	57	52	53	59	64	62	65	61	51	48	54	55	61	62	62	60	60	60	49	43	55	62	62	63	59.0
New Martinsville	Maximum	85	93	89	83	83	86	87	83	87	90	87	88	91	89	85	82	86	88	91	92	92	87	82	75	83	78	83	92	93	94	96	87.1
	Minimum	68	72	71	53	59	67	65	61	57	60	60	65	62	64	66	51	55	57	59	61	62	63	65	63	61	49	46	49	60	60	63	60.5
Parkersburg	Maximum	86	92	86	80	78	84	82	80	85	85	87	87	91	89	80	79	84	86	88	88	93	84	71	74	83	75	84	93	91	94	94	84.9
	Minimum	69	74	67	60	63	70	68	62	58	59	61	67	67	71	63	56	59	57	60	64	61	66	64	64	60	54	47	55	65	64	66	62.6
Petersburg	Maximum	83	90	92	82	81	84	88	80	83	87	88	83	86	91	86	82	84	87	89	89	91	92	70	63	84	74	84	93	94	93	93	85.4
	Minimum	67	68	64	52	53	65	64	58	51	50	54	62	57	60	58	50	55	53	56	55	55	58	61	60	60	50	42	46	55	60	59	56 7
Pickens	Maximum	72	85	78	79	82	75	72	78	76	77	75	82	78	77	74	73	75	74	75	80	82	79	74	72	72	60	70	82	84	83	84	76.7
	Minimum	53	54	53	41	42	58	54	46	40	45	47	45	50	50	52	42	44	42	45	46	43	48	42	41	48	37	34	39	49	49	49	46.1
Point Pleasant	Maximum	86	89	89	87	82	83	85	83	86	88	87	90	92	92	89	82	84	87	92	91	95	93	86	77	80	80	87	94	95	94	97	87.8
	Minimum	70	74	67	68	59	69	69	62	58	57	61	67	66	69	74	56	59	57	61	63	62	65	65	65	64	51	50	55	63	63	63	63.0
Rainelle	Maximum	82	87	88	80	81	79	81	75	79	80	82	82	83	87	85	74	80	82	83	83	86	86	79	75	78	78	82	89	90	89	90	82.4
	Minimum	60	64	62	53	48	68	62	53	48	46	49	57	52	58	58	57	58	50	50	51	51	50	59	62	58	44	38	42	49	53	54	53.7
Spencer [3]	Maximum	86	90	90	81	82	81	85	80	84	87	88	88	92	87	80	81	85	86	88	89	93	72	72	70	82	76	82	91	91	92	94	84.7
	Minimum	67	69	67	54	54	62	66	59	53	52	55	62	64	62	70	53	56	51	51	56	55	58	64	64	60	47	43	50	60	60	61	58.2
Summersville	Maximum	80	86	86	77	82	82	81	74	78	82	86	83	86	84	77	76	77	79	83	84	86	86	78	69	72	70	77	86	87	88	86	80.9
	Minimum	57	59	59	52	47	62	66	56	51	46	51	59	52	54	61	57	53	52	49	51	51	51	60	62	59	42	40	40	49	53	53	53.4
Sutton	Maximum	92	93	93	92	89	90	90	89	86	89	90	90	89	92	92	91	87	88	88	92	93	93	90	82	86	86	82	92	93	94	95	89.7
	Minimum	65	61	62	52	51	63	63	62	52	51	54	61	58	62	63	56	58	54	56	57	58	58	60	62	57	48	46	48	58	59	60	57.3
Wardensville [3]	Maximum	81	86	90	82	80	84	83	85	81	86	85	85	85	89	84	78	81	83	84	85	89	90	67	64	82	72	81	90	91	91	90	83.4
	Minimum	62	68	65	51	54	66	52	50	51	52	54	60	56	60	64	50	53	58	58	56	53	57	64	60	59	56	40	45	53	60	58	56.3
Weston	Maximum	88	93	88	86	85	86	85	82	86	90	90	90	95	90	81	85	85	89	91	90	92	93	80	75	82	80	82	92	*93*	95	96	87.6
	Minimum	68	68	67	54	56	70	69	60	55	55	56	65	60	63	72	53	58	55	57	61	60	61	65	61	64	50	48	52	59	60	62	60.2
Wheeling [3]	Maximum	87	93	87	82	86	88	85	83	85	92	88	86	91	88	81	82	83	87	92	90	92	85	70	74	81	75	83	92	93	94	96	86.2
	Minimum	71	70	69	54	56	59	71	63	65	61	62	67	63	66	66	52	58	58	59	64	64	65	60	60	60	52	46	47	55	64	64	61.0
Williamson [3]	Maximum	85	93	93	87	93	89	89	80	87	90	87	91	94	92	86	85	85	87	91	91	94	93	78	74	87	81	88	95	95	98	98	88.9
	Minimum	68	69	71	65	60	62	71	64	61	59	60	62	62	63	66	66	64	59	60	61	63	64	66	67	66	53	51	53	55	64	65	62.6

Daily Evaporation (inches) and Wind Movement (miles) for August 1945

Clarksburg	Evaporation	.178	.057	.131	.148	.177	.077	.113	.218	.143	.125	.132	.010	.256	.166	.144	.137	.123	.043	.229	.124	.121	.164	.132	....	.189	.158	.172	.120	.120	.128	.128	4.302
	Wind movement	30	7	13	19	20	11	47	54	32	13	7	9	7	13	35	22	31	14	5	*	14	18	21	15	36	59	53	6	17	19	15	662
Wardensville	Evaporation	....	....	.163	.445	.149	.217	.091	.306	.150	.215	.179	.188	.140	.228	.136	.132	.269	.119	.080	.164	.202	.263	.179	.110	.012	.226	.196	.190	.186	.199	.083	5.577
	Wind movement	29	18	14	26	16	25	22	42	18	21	10	19	10	20	16	22	14	16	12	8	12	8	15	22	28	53	34	4	26	18	18	616

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

C. L. WILSON, Acting Section Director

PARKERSBURG, W. VA.

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VOL. LIII SEPTEMBER 1945 No. 9

GENERAL SUMMARY

It was the wettest September of record. The average rainfall of 7.18 inches was 1.22 inches above that of the previous record of 5.96 inches established in 1924. All three divisions averaged notably above normal with the northern division showing the greatest departure. Extremely heavy rain on the evening of the 23d and morning of the 24th caused damage, estimated at about $35,000, to the Village of Wick, in Tyler County. However, unusually large numbers of hay stacks were in the fields due to the bumper crop. These stacks were washed away and the monetary loss of this hay is undetermined. Three houses were moved from their foundations, several garages, farm buildings and barns were washed away and telephone, electric and gas services were suspended. A barge fleet was torn loose from its moorings several miles above Lock 17 at the mouth of French Creek with severe collision damage resulting. The West Fork River at Clarksburg was slightly above flood stage on the 18-19th. On the 17th, a storm brought the New River at Hinton to the highest stage recorded for several years. No snowfall was reported from any station during the month. Hail, with slight resulting damage, was reported from Point Pleasant on the 1st, at White Sulphur Springs on the 8th, and at Clarksburg and Roanoke on the 23d.

The mean temperature was only 2.1° above normal yet there were no unusually cold nights considering the location of the stations and the season.

The weather in September was favorable for growth but not for harvesting nor for fall seeding. Corn, however, was greatly benefited by the rains. Much of this crop was planted very late for this State and the additional soil moisture of September enabled the plants to fill the ears with unusual rapidity. There was much soft corn at the close. Very little seeding of winter grains was accomplished because of the continuously wet soil.

During the water year just ended, from October 1, 1944 to September 30, 1945 inclusive, the precipitation averaged 121 percent of normal, while the growing season, months of March to September inclusive, averaged 120 percent of the normal. Although corn, potatoes, and gardens were planted very late, there were abundant yields of hay and forage. Corn, potatoes and most of the minor crops made satisfactory yields.

Farm and domestic water supplies were more than ample at the close of the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 68.4°, or 2.1° above the normal. The mean for the northeastern panhandle division was 66.9°; for the northern division, 68.0°; and for the southern division, 69.3°. The highest monthly mean was 73.2° at Williamson and the lowest, 59.8° at Pickens. The highest temperature was 98° at Huntington on the 7th, and the lowest, 34° at Canaan Valley on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 131 stations, was 7.18 inches, or 4.20 inches above the normal. In the northeastern panhandle division, the average was 7.57 inches; in the northern division, 8.49 inches; and in the southern division, 4.94 inches. The greatest monthly precipitation was 13.35 inches at Salem, and the least, 2.50 inches at Williamson. The greatest amount in any 24 consecutive hours was 4.55 inches at St. Marys on the 23-24th. The average number of days with .01 inch or more of precipitation was 13.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	2	11	10	10	3	1	10	2	13	1	12	10	2	3	16	2	2	5	12	6	3	2	4	5	2	5	6	4	1	..
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	1	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	15	11	3	2	2	2	2	19	18	15	5	1	1	3	2	1	2	2	..	21	9	2	25	9	8	5	8	3	7	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.45	29	29.76	10	6.3	21	sw.	13	90	60	75	62	24
Columbus, Ohio	30.49	29	29.74	10	8.3	38	sw.	25	88	59	72	60	31
Elkins	30.40	30	29.73	11	4.9	22	nw.	11	96	65	88	37	62
Huntington Airp't.	30.41	30	29.76	10	.....	25	nw.	1	91	57	77	....	23
Parkersburg	30.42	29	29.73	10	5.7	18	se.	10	86	58	75	47	34
Petersburg, W. Va.	30.52	30	29.73	11	.....	30	n.	23	94	61	80	....	47
Pittsburgh, Pa	30.49	30	29.70	11	9.3	31	nw.	10	88	58	75	49	62

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	66.8	..	..	0.38	2.20	0.84	1.66	0.0	..	..	..	..
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	..	..	..
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	..	..	..
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	**16**	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	**5.96**	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	**7**
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	21	3.15	3.31	2.18	2.88	.0	5	17	8	5
1941	67.8	99	26	1.03	2.35	2.58	2.22	.0	7	18	9	3
1942	65.1	98	**15**	2.99	4.59	3.64	3.97	.0	11	12	10	8
1943	62.5	100	26	0.79	1.32	1.37	1.25	T.	6	16	8	6
1944	65.0	96	26	4.46	4.89	3.16	4.19	.0	11	11	9	10
1945	68.4	98	34	7.57	8.49	4.94	7.18	.0	13	10	11	9
Period	66.3	107	15	2.84	3.17	2.77	2.98	T.	8	15	8	7

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Climatological Data for September 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	60.0	−0.9	83	8	37	22	8.21	+4.90	2.38	2	0	17	10	10	10	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	65.4	+0.7	91	1	38	11	7.12	+4.74	2.05	18	0	11	15	1	14	sw.	E. L. Keister
Great Cacapou	Morgan	500	1	67.8	.....	95	1†	38	22	.....	.....	.....	..	0	....	15	5	10	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	....	.....	.....	.....	.....	.....	..	..	....	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	12	69.1	.....	94	1	44	22	8.66	.....	3.25	18	0	12	10	13	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	69.2	+1.7	91	29	43	22	7.94	+4.61	3.15	18	0	10	10	10	10	se.	University Exper. Station
Martinsburg	Berkeley	435	53	68.1	+1.2	92	1	44	22	9.49	+6.57	3.02	17	0	14	10	13	7	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	67.1	+1.3	93	10	40	13†	6.28	+4.00	1.91	17	0	9	12	11	7	w.	R. E. Saville
Petersburg	Grant	1,029	6	68.2	.....	95	1	47	22	6.93	.....	2.63	18	0	15	8	9	13	se.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	66.8	+1.1	91	1	44	22	8.50	+6.09	2.26	18	0	12	11	10	9	se.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	8.87	+6.09	3.71	18	0	14	6	7	17	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	27	67.6	+3.4	92	1	43	22	8.31	+5.72	2.88	18	0	10	....	..	....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	8.37	+5.06	1 47	9	0	12	1	21	8	w.	L. Esle Bond
Benson	Harrison	1,080	20	69.0	+2.1	92	7	46	22	8.05	+4.42	1.42	18	0	15	4	20	6	.....	R. D. Marts
Bens Run	Pleasants	652	44	70.7	+2.3	94	7†	51	22†	9.75	+7.16	2.00	14	0	13	15	9	6	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	62.2	.....	88	1	35	22	8.53	.....	1.66	9	0	15	....	....	....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	70.8	+3.2	95	3	48	13	7.32	+3.57	1.75	18	0	11	8	17	5	s.	M. D. Hawkins
Buckbannon	Upshur	1,411	54	64.6	+0.1	88	1	43	22	8.54	+5.58	1.27	17	0	15	8	15	7	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	70.2	+2.1	95	1	47	12	8.20	+5.40	1 37	2	0	14	4	20	6	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	61.8	.....	84	1	34	22	5.52	.....	1 66	2	0	18	0	22	8	e.	George B. Thompson
Clarksburg	Harrison	1,015	22	66.7	−0.8	89	7	49	22†	12.69	+9.09	2.64	24	0	14	12	11	7	se.	Clarksburg Water Board
Creston	Wirt	640	44	71.0	+3.2	95	1	50	12†	5.16	+2.47	1.42	18	0	13	5	19	6	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	67.0	.	95	7	46	23	8.08	+4.56	1.61	18	0	15	16	2	12	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	....	.....	.....	7.45	+4.47	1.24	24	0	14	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.. ..	.....	.....	....	.....	.....	9.12	+5.93	1.80	18	0	14	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	6.89	+4.23	1.70	24	0	13	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	6.06	+3 47	1.67	26	0	13	....	....	....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	6.30	+3.21	1.20	18	0	13	....	....	....	.....	Lockmaster
Elkius	Raudolph	1,927	46	65.6	+3.7	88	10	45	12	5.98	+2.83	1.54	2	0	18	4	8	18	se.	U. S. Weather Bureau
Fairmont	Marion	883	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	J. C. Robinson
Glenville	Gilmer	738	57	72.5	+4.0	95	7	50	18	6.81	+3.59	1.59	18	0	12	14	10	6	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	68.6	+1.5	91	7	44	22	10.85	+8.24	2.29	2	0	17	17	6	7	sw.	L. W. Clayton
Grantsville	Calhoun	760	1	74.4	.....	95	7†	50	18	5.70	.....	1.40	18	0	13	....	....	....	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	67.4	.....	88	8	48	22†	10.40	.....	2.02	2	0	20	7	8	15	s.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	10.20	...	1.75	2	0	16	4	19	7	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	7.23	+3.99	2.40	17	0	6	....	....	....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	43	67.1	+2.2	89	7†	44	22	9.32	+5.93	2 13	18	0	17	9	9	12	sw.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	4	69.6	.....	93	8	46	22	11.17	.....	3.19	24	0	13	13	7	10	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	69.0	+1.5	90	7	45	22	9.08	+6.21	1.42	18	0	14	9	13	8	s.	State Dairy Farm
New Cumberland	Hancock	671	50	67.7	+2.2	97	7	40	5	9.00	+6 09	2.06	9	0	19	7	6	17	nw.	C. O. Valentine
New Martiusville	Wetzel	637	52	70.6	+2.1	94	8	50	12†	10.16	+7.13	2.28	24	0	14	10	13	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	70.7	+3.4	95	8	51	12	8.12	+5.36	2.96	23	0	14	7	11	12	se.	Section Center
Parsons	Tucker	1,649	46	67.4	+3.7	88	1†	46	2?	7.62	+4.47	1.77	2	0	14	....	....	....	.....	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	8.01	+4.71	1.25	21	0	15	....	....	....	.....	Mrs. Maxine Leacb
Pickens	Randolph	2,760	55	59.8	−2.0	82	10†	35	12	8.22	+4.12	1.72	9	0	14	12	9	9	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	7.77	+4.37	1.43	24	0	12	10	13	7	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	68.7	.....	92	7	47	22	9.16	+5.68	2 46	2	0	15	....	....	....	sw.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	13.00	†10.80	4.55	24	0	13	....	....	....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	6.91	+2.91	1.44	18	0	13	....	....	....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	71.7	+3.7	97	1	49	22	9.76	+6.44	1.59	18	0	15	8	15	7	w.	Roscoe H. Jacksou
Wellsburg, 3 miles NE	Brooke	668	52	67.7	+2.8	96	7	41	22	9.14	+6.15	1.42	9	0	14	10	11	9	.....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	10.26	+6.99	1.60	18	0	13	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	71.9	+4.6	96	8	50	13	9.03	+6.40	1.82	18	0	16	....	....	....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	69.2	+1.8	94	7	49	22†	8.45	+5.53	1.37	18	0	13	11	2	17	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	68.0	.....	94	28†	45	17	5.48	.....	1.50	14	0	6	....	....	....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	4.45	+1.92	1.05	17	0	12	8	15	7	w.	H. S. Sutton
Athens	Mercer	2,600	5	66.5	....	86	1	45	12	5.38	.....	1.60	17	0	12	11	9	10	nw.	Concord College
Bluefield	Mercer	2,558	50	68.6	+2.4	86	1	50	12	5.58	+3.26	1.64	17	0	14	16	5	9	.....	Norfolk & Western Ry.
Charlestou	Kanawha	615	58	71.8	+0.9	97	7	52	12†	4.11	+1.13	1.78	18	0	12	17	6	7	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	71.4	.....	96	7	50	12	4.47	.....	1.60	18	0	12	3	14	13	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	61.0	.....	82	1†	35	12	6.11	.....	2.01	17	0	13	3	18	9	w.	Department of Justice
Flat Top	Mercer	3,235	7	63.7	.....	84	1†	43	12	5.05	.....	2.18	17	0	13	8	15	7	se.	U. S. Airway Station
Gary	McDowell	1,426	28	69.6	+1.1	92	6	50	12†	6.64	+3.65	1.50	18	0	15	....	....	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	70.5	.....	97	7†	50	12	4.28	.....	1.13	18	0	10	4	17	9	w.	State Forest Nursery
Hamlin	Lincoln	641	2	69.0	.....	97	7	43	12	3.85	.....	1.37	18	0	10	15	9	6	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	70.2	+2.2	97	1	49	12	5.36	+2.67	1.30	18	0	11	....	....	....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	73.0	+4.0	98	7†	52	12	2.61	+0.16	0.89	18	0	10	7	12	11	ne.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	4.40	+1.02	2.40	18	0	3	....	....	....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	.....
Logan	Logan	700	32	72.4	+2.0	96	1	54	12	4.06	+0.91	1.27	18	0	12	11	8	11	.....	Paul A. Simonds
London Locks	Kanawha	623	10	72.6	.....	95	1	56	12†	4.68	.....	2.09	17	0	10	....	....	....	w.	Lockmaster
Madison	Boone	675	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	65.9	.....	89	23	39	16	5.21	.....	2.50	17	0	12	13	2	5	.....	M. H. Martin
Pineville	Wyoming	1,350	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	Charles Dameron
Point Pleasant	Mason	595	55	72.8	+6.9	96	7†	52	16†	4.99	+2.58	1.10	18	0	14	7	6	17	w.	E. C. Winger
Rainelle	Greenbrier	2,424	14	66.4	+3.5	88	10	43	12	7.45	+4.33	1.62	14	0	16	11	5	14	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	68.0	+1.6	91	7†	48	12	3.37	+1.07	1.15	15	0	11	9	6	15	sw.	Lockmaster
Richwood	Nicholas	2,193	14	70.9	+6.2	90	1	45	22	6.80	+3.69	1 66	15	0	11	13	8	9	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	.. ..	.. ..	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	Pfost Greenbouses
Ryan	Roane	700	42	.....	.. ..	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	Supt., State Forest
Spencer	Roane	789	46	68.9	+2.4	94	7	49	12	4.83	+1.95	1.44	18	0	13	4	20	6	.....	A. M. McKown
Summersville	Nicholas	1,900	9	65.3	.....	88	10†	40	12	5.88	.....	1.50	17	0	11	12	18	0	.....	A. E. Dorsey
Sutton	Braxton	850	42	72.0	+3.3	95	1†	49	13†	5.64	+2.29	1.10	17	0	12	18	12	0	...	C. B. Eakle
Union	Monroe	2,200	41	66.3	+0.2	91	1	41	12	5.36	+2.81	1.26	18	0	11	....	....	....	.....	C. B. King
Webster Springs	Webster	1,500	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	....	....	....	....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	70.2	+5.3	91	1	42	13	4.91	+2.07	1.32	17	0	12	2	14	14	w.	Ashford General Hospital
Williamson	Mingo	673	44	73.2	+3.5	96	1†	53	14	4.50	+1.51	1.31	18	0	13	18	1	11	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	71.4	....	95	7	53	4†	4.27	.....	1.55	14	0	13	7	12	11	sw.	Lockmaster
State averages and extremes			...	**68.4**	**+2.1**	**98**	**7**	**34**	**22**	**7.18**	**+4.20**	**4.55**	**24**	**0**	**13**	**10**	**11**	**9**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Figures and letters after name of station indicate distance in miles and direction from place named. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. † Also on other dates. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for September 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		2.38						.02	.33	.03			T.	.26	.37		1.12	.84	.03	.25	.09		1.50	.09		.03	.66	T.	.11	.10		8.21
Brandywine	do.		.32					.23	T.	.75	.02			T.	.81	.50		1.70	2.05			.16	T.	.35			T.	.23					7.12
Brushy Run[2]	do.	.67	.39					T.		.83	T.				.47	.10		.74	2.78	.12		.14		T.	.15		.05	.03	.98		T.		7.45
Harpers Ferry [2]	do.		1.22							.50	.01				.36	.46		.26	3.79	.70				.05	.21			.28	T.		.04		7.60
Inwood	do.		.66							.25	.37			.25	.75	1.00		1.50	3.25			.04		.47			.04	.08					8.66
Kearneysville	do.		.72							.72					.59	.53		1.75	3.15	.02				.33					.09	.04	T.		7.94
Knobly Mountain[2]†	do.		.88						1.10	.20	.03				.38	.36		.55	2.45	.16		.23		.10	.96		.02		.22				7.64
Martinsburg [4]	do.	.65	.19					.97	.13				.05	44	1.18			3.02	1.95		T.			.32	T.		.02	.14		.05	.38		9.49
McNeill†	do.		.82					.22	T.				T.	.49	.20			1.91	1.15			.28		.93	T.			.28	T		T.		6.28
Petersburg	do.	.55	.17					T.	.99	.20			.33	.23	T.	17		2.59	.69		.11	T.	.01	.20	.02	T.	T.	.66		.01	T.		6.93
Piedmont	do.		.75						1.84	.53		.04			.42	.40		.50	2.26	.08		.18		1.07				.43					8.50
Romney	do.		.89						.30	.23					.90			1.70	1.66					1.26									7.72
Spruce Knob [2]†	do.		.63				.13	.22	.27	.29	.07				.79	.44	.68	2.20	.28		.28		.13	.22		T.		.35		.28	.16		7.12
Stony River Dam [2]†	do.		1.06					.03		.30		.07			.65	.81		.93	3.91	.30		.35		.05	.46		.05		.32		.17		8.77
Wardensville [2]	do.		.83							.95					.59	.72		.53	2.88	.25				.35	.63		T.	T.	.60		T.		8.31
Northern Division																																	
Aberdeen†	West Fork		.77						T.	1.47		.67		T.	.27	.95		.88	1.27	.12	T.	.58	T.	T.	.98		.18	.23	T.				8.37
Belington [2]	Tygart		1.92	T.					T.	.31	.05	.01	T.		.19	.82		.27	1.38	.15	.01	95	.01	T.	.53		.12	T.	.26	T.	.02		7.00
Benson†	West Fork		1.40				.05			.75		.50			.70	.25		.59	1.42	.09	.03	1.03		.02	.54		.56	.12					8.05
Bens Run	Ohio	1.27	.25							.23	.21	.14		T.	2.00			.75	.59	T.	.93			.19	1.90		1.12		.17				9.75
Brandonville [2]	Cheat		1.16							1.38		.14		.02	.88		.20	1.20	.12	1.30	.57	.13				.45	.40		.02	.01			6.82
Brownsville †	West Fork		.45							1.66	.23	.56			.22	.62		.24	1.39	.26	.08	.18		.29	1.20		.32	T.	.12		T.		8.53
Buckhannon	Tygart		1.15							.58		.37			.61	1.25		.85	1.75	.07		.58											7.32
Cairo	Litl.Kanawha		1.37						.04	.80		.74			.68	.76		1.27	.84	.12	T.	.87	T.	.23	.70		.29	.02	T.	.03			8.54
Canaan Valley	Cheat		1.66						.07	.08		.14			.81	.43		.47	1.11	.03	.05	.62			1.20		1.18		.64				8.20
Clarksburg [2]	West Fork		2.46					.06	.12	.15	.03	.16			.26	.36	.02	1.04	.68	.06		.47		.11	.13		.12	.06	.03	T.			5.52
Crawford	do.		.14							.75	.05	.74			.41	1.25		.24	1.55	.81		.80			2.64		.66		.13		.20		12.69
Creston [2]	Litl.Kanawha		.40							.34		.08		T.	.67	.46		1.13	.93	.06	T.	.80		.57	.58			.35	.21	.40			6.72
Dailey [2]†	Tygart		.49						.30	.20		.80			.22	.60		.12	1.42	.15	T.	.03		.02	.50		.40	T.		T.			5.16
Dam 10, Mon. R. [2]†	Monongahela		1.50							.46					.34	.84		.48	1.24	.09	T.	.63			.70		.18		.07		.13		5.65
Dam 13, O. R. [2]†	Ohio									.60	.22	.60	.23		.13	1.10		.19	1.61	.34		.31		.01	.77	.01	.46		T.				8.08
Dam 15, Mon. R. [2]†	Monongahela		1.18						.03	.72	.18	1.00			.37	.95		T.	1.26	.34		.17		.13	1.11	.01	.89		.29				7.45
Dam 19, O. R. [2]†	Ohio		.22							.65	.08	.58	.02		.23	.89		.17	1.80	.63		.74		T.	1.30		.55		.30				9.12
Dam 20, O. R. [2]†	do.		.03						.03	.02		.40			.24	.72			1.25	.02		.56		T.	1.70	.08	1.48		.17				6.89
Elizabeth (Dam 3)[2]	Litl.Kanawha		.98						.09	.08		.34			.23	.88		.04	1.25	.13		.55		T.	.62	T.	1.67		.15				6.06
Elk†	West Fork	.87							.10	.22		.40			.28	.98		.22	1.20	.05		.53			.45		.60		.29				6.30
Elkins [1]†	Tygart	1.30	.24									.68			.85			1.28	1.10			1.33			.45		.60						7.16
Fairmont [2]	Monongahela								.30	.09	.18	.01		.40	.87		.05	1.42	.06	.03	.62	T.	T.	.13	.01	.08	T.	.04		.15	T.		5.98
Glenville [2]	Litl.Kanawha		.66																														
Grafton	Tygart		2.29							.28	1.17	.39			.11	.42		.14	1.59	.46		.22		T.	1.06		.31		T.		T.		6.81
Hackers Creek †	West Fork		.89							1.30	.49	.63			.28	.58		.59	1.56	.04	.02	.84		.37	.92		.52	.04		.27	.11		10.85
Hall [2]	Tygart		1.17							1.01		.48			1.71			1.69	1.10	.69		.77		.16	.47	.45		.07					9.49
Harrison Co. Arpt. [4]	West Fork	1.83	.19							.58	.04	.41	.09		.23	1.16		.27	1.28	.09	T.	.76		.02	1.26		.18	T.	.02				7.56
Hastings	Ohio		1.75						T.	.92	.32	1.62			.32	.01	.44	1.40	.08	.02	1.10		.02	1.45	.01	.64			.14				10.21
Horner	West Fork		.55							.50		.27		.25	.30	.17	.10	1.10	1.30	.35							2.00		.28				7.17
Ireland	do.	.03	.31							.40	.80			.32	.10	.20		1.20	1.12	.32	T.	.08		.03		.75		1.03	.09				6.78
Jane Lew	do.	.03	.62						*	*	*	1.80		*	*	2.00		*	2.40	.38													$$$
Kumbrabow St. For.†	[2]Tygart		1.04							1.34	.75	.06		.08	.37	.94	.70	1.00	.52	.07		.73	.03	.09			.07	.19		.28	.03		8.29
Mannington	Monongahela	.20	1.22							.80	.02	.57			1.29	.30		.72	2.13	.03	.77	.01		.19	.57		.46	.01		.03			9.32
Middlebourne [2]	Middle Is.Creek		1.70							.37		.68			.27	.88		.15	1.06	.11		1.03		.90	3.19	T.	.59	T.	.24		T.		11.17
Midvale [2]†	Tygart		1.27						.32	.92		.73			.78	.29		.64	1.42	.10		.28		.25	1.15		.79	.03					8.04
Morgantown	Monongahela		1.38							.96	.02	.08	.01		.21	1.04		.34	1.51	.20	.01	1.06	.01	.11	.70		.21	.02	.21		.07			9.08
Mt. Clare	West Fork		1.50							.60		.67			1.35	.35		.89	1.80		.06	.95		.02	.65			.33					9.17
New Cumberland	Ohio		.25						.16	1.90	.02	.76			1.22	.20	.02	.30	.91		.15	.15		1.05	.30	.23	.65	.18	.28	.27			9.00
New Martinsville	do.	.54	.47							.43		1.08			1.67	.12		.61	1.03	.03	.30			1.05	.30		.65	.18	.28	.27			12.33
Parkersburg[1]†	do.	.30								.03	.14	.17		.19	1.03			.71	.42	T.	.54		T.	2.96	.01	1.26		.16		T.			6 91
Parsons	Cheat		1.77				T.	.20	T.	.37		.59			.26	.79		1.10	.42	.05		1.10		.39	.33		.13	.30	.02		T.		9.76
Philippi [2]	Tygart		1.34	T.						.23	.06	.80	.13		.25	.94		.25	1.43	.15	T.	1.25	T.	T.	.75		.37	.01	.05				10.16
Pickens	do.		.83							1.72	.58			.18	.23	.81		1.64	.30	.41		.62			.03		.08	.52		.27			8.12
Roanoke	West Fork		.62				.10			1.01		.05			1.00	.52		1.00	1.34	.20	.20		T.	T.	1.43		.29	T.					7.62
Rockford †	do.		.62							1.76		.47			1.20	.40		.90	1.94	.09	.96				.03		.08						8.01
Rowlesburg [2]	Cheat		2.46							.56	.10	.23	.14		.41	.93		.21	1.30	.20	T.	.67		.12	.62		.24						8.22
Saint Marys [2]	Ohio		1.32							.12		.81			.42	1.78		.08	1.16	.02	1.62			.14	1.33		.36						7.77
Salem	West Fork	T.	3.88						1.31			.60			.85	.38		.66	1.29	.10	.42	.17		.02	4.55		.95		.15				9.32
Shinnston	do.		2.15						1.96	.65		.25	T.	T.	.88			.81	2.49	.01	.83				1.62		.60	T.	.08	T.			9.16
Thomas [2]	Cheat		.80	.35					.30		.92	.08		.27	.43			.31	1.44	.25		.78			2.90		.79						13.00
Valley Chapel	West Fork		.95						.42		.56			.66	1.20	.52		.68	1.59	.10		.79		.01	1.56		.19	T.					13.35
Valley Head [2]	Tygart	.43	.80						.22	1.33				.25	.95			.70	1.15	.07		.29		.06			.57	.14		.01	T.		12.33
Vandalia †	West Fork		.93						.91		.08			.58	.43			.14	.94	.07	.77						T.		.44		.30		6 91
Wellsburg (near)	Ohio								.50	1.42		.80		1.04	.24			.50	1.06	T	.30	T.		1.02	.62		1.02	.28	.10	.24	T.		9.76
West Milford	West Fork		1.47							.37		1.55		.52	1.35			.73	1.60	.10	.05	.85			.82		.71	.14					6.99
Weston [2]	do.		.64							.70	.10	.81	.10	T.	.34	1.47		.28	1.82	.64	.08	.86		.04	.88		.23		.04				6.19
Wheeling (Dam 12)[2]	Ohio		.05					T.	.55	.67	1.16				.39	.79			1.37	.55		25		.35	.91		1.09		.32				9.14
Southern Division																																	10.26
Alderson	Greenbrier		.50			T.		.10																									9.03
Arbovale	do.		.50			T.	T.	.11	.78	.30				1.50	1.34		.75	1.29					T.		T.							8.45
Athens	New		.30	T.		.10	T.				.16	T.	.30	1.11		.06	1.60	.87	T.		.28	.01	.05			.02	T.		.02	.03			5.48
Bluefield	New		.55			.07				.22	.17		.02	1 01	.80	.01	1.64	.85	.05		.01		.10			.08			.54			4 45
Camden-on-Gauley [2]	Gauley		1.46						.24					.28	1.28			.92	1.59	.12	.02	.36		.03									5.38
Charleston	Gr. Kanawha		.51						.04	.01	T.			.08	.51			.28	1.78	.07	T.	.43			.36		.01			.36			5.58
Charleston (Airport)[4]	do.	.47	.43			T.			.05	.18	.01		10	1.05		T.	.93	.98	.08	.16			T.		.03				.03			6.66
Clay	Elk		.74					.20			.10			.18	1.27		.30	1.90	.10	.02	.80												4 11
Flat Top[4]	New	.52			T.	.08				.19	.05		.33	.73		.44	2.05	.19	.01	.04		.38					.08			.14			4.47
Gary [2]	Big Sandy		.29			.01				.56	.33			.15	.47		1.00	1.50	.12			.01	.97	.19		.05	.06			.93			5.83
Greenbottom †	Ohio		.09							.18	.59			.86			.77	.62		.21	.21			.14		.23	.59						5.05
Hinton [2]	New		.56		.06						.02			.43	1.18		.72	1.30	.05		.51	.49				.04							6.64
Hogsett [2]	Ohio		.01						.32		.18			.30	.57		.12	1.12	.30	T.	.05		.09	.16		.34		.14				4.28
Huntington	do.		.12			T.			.24		.06		.03	.77			71	.41	.03		T.	T.		.23			.01					5.36
Kayford [2]	Gr. Kanawha															.70		1.30	2.40													3.70
Lewisburg	Greenbrier		.18					.16			.26			.08	.54		.24	1.27	.05		.01	1.17			.09				.01				2.61
Logan [2]	Guyandot		.76					T.	T.	T.	.03			.05	.68		.35	2.09	.35		.08		.10										4.40
London Locks[2]†	Gr. Kanawha																																
Madison [2]	Coal																																4.06
Oak Hill[2]	New	.74				.04			.15		.05		.10	.65		.20	2.50	.23		.25		.10	.20										4.68
Pineville [2]	Guyandot																																
Point Pleasant [2]	Ohio		.30				T.		.05		.65			.43	.49		.05	1.10	.07		.08			.24		1.07		.63	.01	.02			5.21
Princeton [2]	New																																
Rainelle	Greenbrier		.69																														4.99
Ravenswood [2]	Ohio		.50					.05	.08		.68		.05	1.62	.91	T	1.20	.62	.67	.01	.73	.06	.01	T.		.02				.05			7.45
Richwood [2]	Gauley	1.18	.29						.07		.47			.20	1.15		.10	.10	.34		.10			.09									3.37
													.39	1.43	1.66	.52	.21	.09	.06	.03	.94												6.80

Continued on next page.

Daily Precipitation for September 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.50	.65	....	....	....	.27	.70	....	....	....	....	....	....	....	....	§§
Seneca State Forest†	Greenbrier	....	....	....	....	....	....	....	.10	.06	....	.61	....	....	.24	.65	....	.20	1.44	.09	.01	.20	....	....	.05	....	.88	....	....	....	....	....	4.83
Spencer[2]	Litl.Kanawha	.30	....	....	....	....	....	....	....	.20	.05	....	....	....	.20	.93	....	1.50	1.25	.11	....	.83	....	....	.03	....	....	....	....	....	.18	....	5.86
Summersville[2]	Gauley	....	.60	....	....	....	....	....	....	.05	....	....	....	....	.65	.85	....	1.10	.80	.05	....	....	....	.50	.54	....	....	.05	.05	.60	....	....	5.64
Sutton	Elk	....	.40	....	....	....	....	.05	.14	.30	....	....	....	....	1.00	.55	....	.84	1.26	.03	....	.14	....	.45	....	....	....	....	....	....	....	....	5.36
Union[2]	New	....	.60	....	....	....	....	....	....	.12	.18	.04	....	....	.17	....	....	1.88	.35	....	....	.90	....	20	....	....	....	....	....	....	....	....	4.01
Wayne[2]	Twelvepole	....	.17	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	4.91
Webster Springs	Elk	....	....	....	....	....	....	....	....	.43	.02	.01	....	.10	.71	.54	.04	1.32	.81	T.	..	.49	....	.02	....	....	....	....	....	....	.03	....	4.50
White Sulp'r Spgs.	Greenbrier	....	.42	....	....	T.	....	....	....	....	....	.13	....	....	1.00	1.00	....	.25	1.31	.06	..	.03	.03	.10	....	.02	....	....	....	....	T.	....	4.27
Williamson[2]	Big Sandy	....	.31	....	....	.03	....	T.	....	....	....	....	....	....	.12	1.43	....	.21	1.34	.17	.02	.40	....	T	....	.05	....	....	....	....	....	....	....
Winfield Locks[2]†	Gr. Kanawha	....	.12	....	....	....	....	....	.25	.03	.06	.07	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville. Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for September 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	82	74	70	73	75	71	78	83	74	77	66	64	72	76	69	57	55	59	59	76	70	69	72	75	79	72	76	78	76	70	....	71.6
	Minimum	50	50	39	43	43	58	49	55	60	53	49	41	40	56	53	46	45	45	51	42	57	37	45	49	51	60	52	49	42	44	....	48.5
Bluefield	Maximum	86	82	78	77	75	73	83	80	83	84	75	75	75	73	72	72	57	61	75	81	79	74	82	83	83	82	82	82	82	81	78	77.4
	Minimum	64	63	51	58	63	64	64	62	64	64	62	50	55	65	56	54	53	52	57	54	62	60	60	60	62	64	65	66	63	57	....	59.8
Brandywine	Maximum	91	86	78	80	82	80	87	89	87	88	80	81	79	77	78	72	63	62	78	87	83	75	82	88	86	80	85	86	89	70	....	81.0
	Minimum	54	58	43	42	44	54	61	56	58	56	39	40	54	43	46	44	45	46	44	52	54	41	50	54	52	55	56	53	56	45	....	49.8
Buckhannon	Maximum	88	76	76	80	84	85	84	86	80	84	78	70	78	80	70	67	66	64	63	78	75	74	81	81	82	75	78	83	77	70	....	77.1
	Minimum	58	58	46	49	45	54	56	59	60	55	58	47	44	57	51	45	50	46	50	44	55	43	55	56	59	61	53	54	52	45	....	52.2
Cairo	Maximum	95	91	82	83	87	90	91	93	88	90	91	85	81	80	69	71	72	60	65	84	87	81	85	91	87	88	83	86	87	67	....	83.1
	Minimum	62	60	50	53	50	57	64	64	65	63	55	47	49	61	52	52	57	53	57	54	63	49	60	64	60	65	60	60	62	53	....	57.4
Charleston (Airport)	Maximum	92	83	86	88	87	88	96	94	91	91	82	82	83	74	69	68	64	60	71	87	83	78	91	90	90	85	91	92	84	82	....	83.4
	Minimum	64	57	53	57	56	63	64	69	68	67	55	50	53	62	53	53	58	55	57	58	58	56	63	66	62	64	64	62	59	55	....	59.4
Clarksburg[3]	Maximum	84	75	76	83	83	86	89	88	84	86	74	74	80	77	65	67	56	62	62	78	74	76	80	81	84	76	79	84	87	82	....	77.7
	Minimum	60	62	52	51	53	53	61	62	64	62	62	50	50	51	55	52	53	51	53	52	52	49	52	60	59	59	59	60	64	49	.	55.7
Cranberry Glades	Maximum	82	73	71	73	70	68	80	80	78	82	69	73	67	65	66	52	54	59	70	78	79	64	78	79	78	76	78	78	77	75	....	72.4
	Minimum	52	54	39	45	42	61	61	53	54	52	51	35	38	59	52	40	44	49	51	39	51	38	49	55	48	54	58	62	53	52	.	49.7
Elkins	Maximum	86	72	78	80	82	81	86	85	81	88	72	75	76	78	68	64	58	63	62	82	76	73	82	83	86	76	80	85	79	72	....	77.0
	Minimum	60	55	52	48	48	61	60	60	62	59	51	45	48	62	52	49	52	53	54	50	49	47	58	59	54	59	56	56	53	52	....	54.1
Fairmont[3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Flat Top	Maximum	84	69	75	74	66	74	80	82	81	84	69	74	65	72	68	56	52	57	71	78	77	67	80	80	80	76	78	78	78	65	....	73.0
	Minimum	56	48	46	54	57	61	62	58	61	64	52	43	53	57	52	49	50	50	46	46	55	56	55	54	57	60	62	59	57	52	....	54.4
Gary[3]	Maximum	89	78	83	83	76	92	90	90	88	88	74	78	73	81	72	68	60	64	79	85	83	83	87	88	87	85	88	89	82	85	....	81.6
	Minimum	58	62	53	52	53	57	63	63	64	65	50	50	51	58	54	56	55	56	55	55	61	59	61	59	59	62	59	59	55	55	....	57.6
Glenville	Maximum	94	92	87	89	92	92	95	94	89	93	83	82	85	83	85	80	78	75	67	87	86	86	91	90	89	88	89	90	89	77	....	86.4
	Minimum	63	60	54	56	54	60	65	66	67	65	63	58	52	54	56	55	52	50	56	55	62	53	61	62	58	66	61	62	61	52	....	58.6
Grafton	Maximum	89	87	79	85	88	88	91	90	88	89	89	75	80	84	84	70	70	63	64	82	83	80	80	82	86	86	81	89	87	79	....	82.3
	Minimum	59	60	48	49	49	56	59	62	62	60	61	47	47	60	53	51	50	49	53	48	59	44	57	60	56	64	57	57	59	48	....	54.8
Huntington	Maximum	92	89	87	92	90	90	98	98	93	95	85	84	80	71	68	71	71	62	62	90	83	76	93	91	88	89	87	93	86	75	....	84.3
	Minimum	69	63	55	57	57	66	67	69	70	68	63	52	56	64	54	54	59	55	60	60	68	58	64	68	65	68	66	64	61	54	....	61.8
Logan[3]	Maximum	96	82	83	86	86	90	95	89	95	95	84	83	78	73	74	73	64	63	87	85	78	90	91	91	87	90	92	85	87	90	....	84.7
	Minimum	62	64	57	56	58	59	64	65	65	67	64	63	54	54	56	54	56	56	55	59	62	60	62	62	63	66	62	62	56	57	....	60.0
Madison[3]	Maximum	92	81	83	87	84	86	94	93	91	92	82	81	79	73	69	68	64	62	75	86	79	72	88	88	88	85	88	90	87	81	....	82.3
	Minimum	63	64	56	56	56	57	64	65	64	67	65	53	52	53	56	54	58	56	56	57	66	61	62	63	61	64	65	61	62	56	.	59.8
Mannington	Maximum	87	78	79	83	87	87	89	89	83	87	77	75	80	79	66	69	64	62	62	82	78	76	84	85	85	78	84	87	79	67	....	78.9
	Minimum	58	59	48	50	50	59	58	63	62	62	62	46	47	62	53	51	52	51	55	52	58	44	55	61	58	65	56	57	56	48	....	55.3
Martinsburg	Maximum	92	79	78	76	80	82	83	86	85	86	80	76	79	83	75	69	55	61	68	82	77	69	74	84	85	86	78	76	86	88	56	77.4
	Minimum	67	62	61	59	54	60	67	65	66	65	58	51	51	66	60	55	51	51	56	52	59	44	55	62	63	67	65	65	57	49	....	58.8
Morgantown	Maximum	88	82	81	83	87	85	90	89	81	86	81	74	81	83	69	68	64	62	60	81	78	80	80	82	85	78	82	85	79	70	....	79.1
	Minimum	70	65	68	58	58	62	65	65	64	62	61	48	51	64	57	52	51	49	54	51	60	45	59	67	66	62	63	68	54	46	..	58.8
New Martinsville	Maximum	91	81	83	87	89	91	93	94	86	91	85	80	83	78	68	65	63	62	64	87	81	77	88	85	87	79	85	89	80	67	....	81.3
	Minimum	66	60	53	56	56	62	64	68	68	66	61	50	51	64	55	55	55	53	57	55	60	50	60	65	67	65	61	61	55	50	....	59.0
Parkersburg	Maximum	89	80	81	85	86	87	92	95	87	91	80	81	80	73	68	68	62	60	65	85	79	77	90	87	85	80	86	90	76	64	....	80.3
	Minimum	72	63	56	60	59	65	71	72	70	66	57	51	56	62	57	52	55	54	58	59	59	57	65	68	69	66	65	65	52	51	..	61.1
Petersburg	Maximum	95	77	79	82	85	76	87	91	88	89	80	79	78	80	77	66	57	62	78	87	83	74	78	89	90	78	83	88	89	60	....	80.2
	Minimum	66	55	50	51	50	62	67	63	65	64	54	49	49	65	55	49	49	49	51	53	52	47	56	61	58	64	62	61	60	50	....	56.2
Pickens	Maximum	81	76	72	74	76	74	75	77	75	82	75	72	74	72	70	68	54	52	64	72	72	69	74	80	82	80	81	82	77	70	....	73 4
	Minimum	54	44	38	39	42	49	49	53	54	53	52	35	38	41	38	36	42	42	43	40	48	38	47	57	58	53	51	52	54	44	..	46.1
Point Pleasant	Maximum	93	87	84	90	90	89	96	96	94	95	90	81	83	75	68	71	70	60	68	87	84	79	91	90	88	87	87	87	90	88	69	84.0
	Minimum	70	61	56	58	56	65	67	71	70	67	63	53	55	65	55	52	58	54	59	58	65	66	64	68	67	67	65	63	61	52	....	61.7
Rainelle	Maximum	87	83	83	82	75	78	86	87	87	88	76	78	77	71	69	62	57	62	69	82	79	70	82	85	86	81	84	84	82	75	....	78.2
	Minimum	56	60	46	46	48	67	65	60	61	58	54	43	44	62	52	47	53	52	53	49	57	51	54	59	55	60	57	54	54	58	....	54.5
Spencer[3]	Maximum	90	82	81	85	85	85	94	92	90	93	79	79	80	77	68	75	60	60	65	85	79	76	89	87	86	81	87	90	80	72	....	81.1
	Miuimum	65	59	50	54	50	54	60	64	66	64	61	49	50	54	51	52	55	52	53	52	57	52	57	63	62	66	60	64	53	52	....	56.7
Summersville	Maximum	87	75	78	80	82	87	87	87	84	88	70	70	78	77	67	68	68	61	62	82	74	76	86	88	88	80	84	85	82	74	..	78.3
	Minimum	54	52	50	46	46	60	60	60	59	62	57	40	45	57	49	47	52	51	51	45	56	47	49	56	52	52	54	54	53	52	....	52.3
Sutton	Maximum	95	92	86	88	88	90	93	95	95	93	93	87	86	85	85	77	77	72	70	87	87	84	85	90	90	90	89	89	86	85	....	87.0
	Minimum	62	60	53	54	53	58	62	64	62	64	63	50	49	62	51	49	52	50	52	50	58	54	60	60	58	61	62	60	61	54	....	56.9
Wardensville[3]	Maximum	92	83	78	80	80	80	85	88	87	89	80	77	79	82	76	65	54	63	74	86	81	73	65	87	88	78	82	84	86	65	..	78.9
	Minimum	62	64	64	52	50	56	64	60	65	61	62	46	47	56	63	49	50	49	52	51	55	43	56	59	58	63	62	61	63	50	....	56.4
Weston	Maximum	90	80	85	89	90	92	95	96	88	92	80	80	85	80	71	70	66	68	66	88	85	80	90	89	90	85	88	90	84	72	....	83.5
	Minimum	68	65	54	56	55	60	63	65	68	64	69	52	50	64	64	54	58	53	57	54	65	51	64	65	64	68	61	62	65	51	....	60.3
Wheeling[3]	Maximum	90	80	81	87	92	92	94	93	86	91	77	77	84	81	68	69	59	59	62	83	79	78	80	87	85	76	83	86	71	68	....	79.9
	Minimum	65	64	53	54	56	57	62	65	69	68	62	51	52	55	58	53	53	52	52	58	60	49	50	63	67	64	61	63	67	49	....	58.4
Williamson[3]	Maximum	96	83	90	89	85	88	95	96	92	95	85	84	82	76	72	68	65	64	85	92	87	82	92	92	90	90	93	94	90	84	....	85.9
	Minimum	63	63	57	58	56	58	65	65	67	67	67	54	54	53	55	55	55	57	58	59	60	66	63	66	62	62	66	62	62	59	....	60.5

Daily Evaporation (inches) and Wind Movement (miles) for September 1945

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.131	.199	.266	.104	.098	.110	.110	.010	.249	.001	.160	.272	.086	.137	.177	.024	.149	.357	....	.031	.106	.130	.048	.053	.044	.110	.097	.060	.074	.109	....	3.523
	Wind movement	13	49	22	18	6	13	22	7	22	*	15	61	24	5	15	42	30	64	32	8	16	15	22	30	14	13	6	32	5	63	....	684
Wardensville	Evaporation	.178	.247	.138	.172	.164	.168	.047	.132	.182	.100	.183	.173	.158	.086	.102	.156	.201	....	....	.112	.085	.178	.035	.131	.108	.149	.062	.127	.194	.200	....	4.254
	Wind movement	10	35	15	15	14	15	10	9	17	14	16	27	17	26	52	22	27	66	17	19	17	24	11	18	10	28	9	12	31	54	....	657

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—11-14-45—925)

WE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

C. L. WILSON, Acting Section Director
PARKERSBURG, W. VA.

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VOL. LIII | OCTOBER 1945 | No. 10

GENERAL SUMMARY

The average temperature for the month was 53.1° or 1.5° below normal. A very few widely scattered stations had plus departures. Killing frosts occurred in the northern and also some exposed places in the southern part of the State on the 4th, while on the 27th, killing frosts were general. The warm periods were 1st-2d, 19th-23d, and 28th-31st.

Precipitation averaged 1.65 inches or 1.20 inches below normal. Most of it fell in the first decade making the impression that it was a very dry month, although there are 14 years in the records that have less precipitation in October. Every station except Bluefield reported a deficiency. The driest areas were in the north-central and northeastern parts of the State. On the 29th, a forest fire, 175 acres in extent, broke out in Pendleton County and was suppressed. It caused damage to merchantable timber to the amount of $875. On the same date, two small fires were fought along Bud and Pinnacle Creeks in Wyoming County and a third near Princeton, Mercer County. A trace of snow was recorded at several high level stations on the 9th and at one on the 25th.

The decided change to dry, sunshiny weather helped the farmer immensely as it matured and dried most of this year's large corn crop. The harvesting of the very small crop of winter apples was completed in most orchards rather early in the month. Much field work was accomplished; such as, cutting and shocking corn, and the seeding of wheat and rye. Winter grains were planted very late by many farmers this year. Pastures supplied abundant forage throughout the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 53.1°, or 1.5° below the normal. The mean for the northeastern panhandle division was 52.5°; for the northern division, 52.3°; and for the southern division, 54.1°. The highest monthly mean was 58.2° at Huntington and the lowest, 45.0° at Pickens. The highest temperature was 95° at Madison on the 1st and the lowest, 15° at Pickens on the 27th and 28th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 125 stations, was 1.65 inches, or 1.20 inches below the normal. In the northeastern panhandle division, the average was 1.07 inches; in the northern division, 1.81 inches; and in the southern division, 1.60 inches. The greatest monthly precipitation was 3.52 inches at Bluefield, and the least, 0.28 inch at Franklin. The greatest amount in any 24 consecutive hours was 2.03 inches at Bluefield on the 1st. The average monthly snowfall was a trace, or 0.3 inch below the normal. The average number of days with 0.01 inch or more of precipitation was 6.

Erratum: September, 1945.—Page 33, Comparative Data for September, precipitation average, State, 1945 should be in boldface type; 1924, in standard type.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1			13	1	1	4	3	1	23	17		1	2	3	2	6	9	5	5	5	2	2	2	1	1	4	1	3	1	
Frosts killing				4	26						5	4		1		1	1										19				
Gales	2	8	2										3	2			4	2	1								8	2			1	
Hail																															
Halos, lunar																															
Halos, solar																															
Sleet																															
Thunderstorms								9	1																						

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.43	3	29.79	8	6.6	21	ne.	23	89	53	70	62	292
Columbus, Ohio	30.43	3	29.76	8	9.3	31	sw.	21	86	55	68	59	385
Elkins	30.48	4	29.70	8	5.9	29	nw.	2	93	53	78	69	467
Huntington Airp't.	30.42	3	29.74	8	.....	23	sw.	19	92	46	76	....	305
Parkersburg	30.42	3	29.73	8	6.0	22	nw.	2	85	47	63	61	305
Petersburg, W. Va.	30.51	4	29.62	8	.....	24	nw.	26	84	44	65	....	339
Pittsburgh, Pa	30.43	4	29.76	7	10.0	31	nw.	2	82	53	65	57	340

COMPARATIVE DATA FOR OCTOBER

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	....	7	..	..	..
1892	52.6	89	24	.21	1.05	.48	.83	....	4	..	..	..
1893	54.1	86	16	4.85	4.20	5.91	4.74	....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.80	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.57	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	**.40**	T	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	1	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2.19	1.13	1.80	.4	8	14	9	8
1941	59.6	99	17	1.26	3.68	2.48	2.89	.0	12	12	9	10
1942	55.8	87	11	6.93	3.73	3.08	4.04	T.	10	13	8	10
1943	52.4	89	19	2.87	2.05	2.28	2.26	.1	8	15	5	11
1944	53.7	88	15	4.30	4.38	3.61	4.07	T.	10	14	9	8
1945	53.1	95	15	1.07	1.81	1.60	1.65	T.	6	17	7	7
Period	54.6	102	8	2.75	2.98	2.71	2.85	0.3	8	16	7	8

Climatological Data for October 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches				Number of days					Observer
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of the wind	
Northeastern Panhandle Division																			
Bayard	Grant	2,375	42	46.6	−2.6	74	1	22	4†	1.36	−1.50	0.80	9	0	6	15	7	9	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	50.1	−3.2	82	18	20	4†	0.56	−1.87	0.23	9	0	4	24	0	7	s.	E. L. Keister
Great Cacapon	Morgan	500	1	55.0	...	86	20	27	16†	1.11	...	0.50	8	0	5	18	8	5	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	0.81	−2.45	0.20	9	0	7	..	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	56.0	.....	95	3	22	4	0.65	.....	0.31	1	0	5	17	6	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	54.2	−0.9	83	18	30	4†	1.19	−2.07	0.35	9	0	7	15	11	5	n.	University Exper. Station
Martinsburg	Berkeley	435	53	53.4	−1.3	81	19	30	11	0.62	−2.45	0.18	8	0	4	19	6	6	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	52.2	−1.9	90	30	23	15	1.33	−0.98	0.58	9	0	5	14	12	5	w.	R. E. Saville
Petersburg	Grant	1,029	6	54.2	.....	84	18	30	4†	0.53	...	0.31	23	0	6	11	13	7	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	53.6	+0.2	89	1†	30	11	1.29	−1.36	0.40	22	0	9	17	6	8	nw.	C. A. Suter, Jr
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	1.52	−1.68	0.37	24	0	8	10	13	10	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	27	53.0	+0.4	84	19	27	15	0.47	−2.09	0.21	9	0	6	..	..	..	n.	Reymann Memorial Farms
Northern Division																			
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	1.98	−1.56	1.01	9	0	7	13	12	6	.	L. Esle Bond
Benson	Harrison	1,080	20	53.2	+0.3	88	20	24	27	1.83	−1.73	0.76	9	0	8	16	7	6	.....	R. D. Marts
Bens Run	Pleasants	652	44	54.8	−1.8	83	1	32	27	1.59	−1.52	0.90	2	0	6	25	3	3	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	47.4	.....	80	1	20	4†	2.10	.....	0.86	9	0	8	....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	55.2	+0.6	90	18	25	27	0.71	−2.71	0.48	2	0	3	19	7	5	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	52.1	−1.7	78	1	28	14	2.06	−1.08	0.61	9	0	8	20	5	6	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	54.8	−1.0	85	1	26	27	1.71	−1.21	0.99	2	0	5	13	10	8	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	47.0	.....	76	1	19	4	1.59	.....	0.60	9	T.	6	4	22	5	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	50.2	−3.2	82	1	27	27†	1.55	−1.58	0.78	9	T.	9	18	7	6	w.	Clarksburg Water Board
Creston	Wirt	640	44	55.0	−0.7	87	1	25	27	1.43	−1.72	0.80	2	0	4	16	10	6	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	51.6	.....	80	1†	31	4†	2.31	−0.86	1.85	9	0	10	20	2	9	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	...	.....	....	.....	.....	.....	2.19	−0.70	1.15	2	0	8	....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	1.67	−1.55	0.65	9	0	9	...	.....	.....	.	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	0.99	−1.65	0.64	2	0	6	..	..	.....	.	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	1.35	−1.40	1.05	2	0	4	..	..	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	615	35	.....	.....	.....	.....	.....	.....	2.00	−0.92	0.92	2	0	3	...	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	50.2	−0.9	80	1	28	28	1.54	−1.37	0.80	9	T.	8	12	11	8	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	J. C. Robinson
Glenville	Gilmer	738	57	56.6	+0.4	88	1	27	27	1.38	−1.83	0.72	9	0	4	10	16	5	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	53.4	−1.8	85	12	26	4†	1.77	−1.19	1.13	9	0	8	20	5	6	sw.	L. W. Clayton
Grantsville	Calhoun	760	1	.....	.....	.....	.....	.....	.....	1.50	.....	0.60	2	0	3	21	10	0	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	52.2	.....	82	1	27	4†	1.60	.....	1.03	9	0	7	13	6	12	s.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	1.83	.....	0.90	2	0	8	11	11	9	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	1.44	−1.88	0.85	9	0	5	.....	.....	.....	..	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	43	51.3	−2.3	82	1	24	27	1.69	−1.48	0.66	2	0	9	15	6	10	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	4	53.7	.....	90	5	27	27	1.52	.....	0.92	2	0	7	20	1	10	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	54.2	−1.0	81	1	29	10†	2.11	−1.04	0.63	2	0	8	19	4	8	w.	State Dairy Farm
New Cumberland	Hancock	671	50	51.6	−2.4	80	1†	29	10†	2.37	−0.35	0.85	2	0	10	17	3	11	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	54.0	−2.9	84	1	29	27	1.62	−1.50	0.91	2	0	9	18	6	7	nw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	55.5	−0.6	82	1	31	27	1.11	−1.37	0.86	2	0	6	16	7	8	se.	Section Center
Parsons	Tucker	1,649	46	51.5	0.0	82	1	27	28	2.02	−1.25	0.75	9	0	9	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	1.90	−1.24	0.90	9	0	8	...	..	.....	....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	45.0	−6.7	75	1†	15	27†	3.41	−0.63	1.08	9	0	6	21	4	6	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	1.35	−2.07	0.81	9	0	7	18	8	5	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	54.0	.....	84	1	29	28	2.17	−2.18	0.92	9	0	8	8	2	21	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	1.10	−1.46	0.86	2	0	7	....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	2.42	−1.82	0.80	9	0	9	..	..	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	54.6	−0.8	86	1	26	27	1.89	−1.52	0.97	9	0	9	17	7	7	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	51.4	−1.9	81	1	28	21†	2.92	+0.20	1.45	2	0	9	15	7	9	....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	1.57	−2.68	0.76	9	0	6	.....	.....	.....	....	Scotland G. Highland
Weston	Lewis	1,026	54	56.4	+0.9	88	1†	29	27	1.55	−1.26	0.82	9	0	7	..	..	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	53.6	−1.3	81	1	33	11	2.24	−0.49	1.37	2	0	7	15	4	12	sw.	Lockmaster
Southern Division																			
Alderson	Greenbrier	1,570	....	54.6	....	81	30	26	28	1.67	.....	0.82	6	0	4	....	....	.....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	0.56	−2.08	0.23	8	0	5	17	9	5	w.	H. S. Sutton
Athens	Mercer	2,600	5	53.4	.....	76	19	25	10	1.31	.....	0.47	23	0	5	22	6	3	nw.	Concord College
Bluefield	Mercer	2,558	50	54.2	−1.5	82	1	30	10†	3.52	+0.75	2.03	1	0	9	24	1	6	...	Norfolk & Western Ry
Charleston	Kanawha	615	58	56.8	−2.0	86	29	34	16†	2.33	−0.71	0.95	8	0	8	19	6	6	..	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	55.5	.....	86	1	28	27	1.65	.....	0.72	8	0	7	11	12	8	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	46.5	.....	75	17	19	10†	0.85	.....	0.23	9	T.	8	13	12	6	w.	Department of Justice
Flat Top	Mercer	3,235	7	49.1	.....	76	1	24	10	1.69	....	0.58	23	0	8	16	8	7	nw.	U. S. Airway Station
Gary	McDowell	1,426	28	53.9	−1.7	85	1	27	27	1.16	−1.74	0.32	23	0	7	..	..	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	53.2	.....	84	1	29	27	1.54	.....	0.64	2	0	5	.....	.....	.....	.....	State Forest Nursery
Hamlin	Lincoln	641	2	53.8	.....	88	1	24	27	1.77	.....	0.74	9	0	6	19	4	8	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	55.2	−1.8	87	1	27	27	0.96	−1.87	0.32	23	0	6	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	58.2	+1.8	87	1	31	27	1.77	−0.75	0.68	2	0	5	15	8	8	sw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	1.82	−1.50	0.75	9	0	5	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	32	56.2	−3.9	84	22	31	27†	1.62	−1.43	0.69	8	0	6	15	11	5	.....	Paul A. Simonds
London Locks	Kanawha	623	10	57.1	....	81	1†	32	27†	1.95	...	1.01	8	0	8	20	0	11	w.	Lockmaster
Madison	Boone	675	24	56.5	+0.9	95	1	32	15†	1.88	−0.75	0.88	9	0	8	18	8	5	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	50.8	.....	81	1	21	14	1.77	.....	0.60	8	0	7	17	0	14	.....	M. H. Martin
Pineville	Wyoming	1,350	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	55	56.5	+0.7	85	1	30	27	1.86	−0.95	1.19	2	0	5	18	5	8	s.	E. C. Winger
Rainelle	Greenbrier	2,424	14	50.2	−0.6	80	1	24	16	1.81	−0.80	0.52	23	0	8	17	2	12	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	53.0	−3.3	79	22	26	27	1.47	−1.32	0.88	2	0	4	16	4	11	sw.	Lockmaster
Richwood	Nicholas	2,193	14	50.8	−3.1	85	1	33	4†	1.89	−0.96	0.88	9	0	6	18	9	4	....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	42	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	...	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	49.2	.....	76	1†	19	14	1.06	.....	0.34	23	0	5	18	5	8	w.	Supt., State Forest
Spencer	Roane	789	46	53.3	−1.6	85	1	25	27	1.57	−1.59	0.64	2	0	5	17	11	3	.....	A. M. McKown
Summersville	Nicholas	1,900	9	49.5	.....	81	1	21	4†	1.63	...	1.00	9	0	6	12	17	2	....	A. E. Dorsey
Sutton	Braxton	850	42	55.4	−1.3	87	1†	25	27	2.24	−0.76	1.07	9	0	6	25	6	0	.....	C. B. Eakle
Union	Monroe	2,200	41	51.5	−2.9	78	1†	24	10	1.65	−1.08	0.53	6	0	6	17	0	14	.....	C. B. King
Webster Springs	Webster	1,500	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	53.8	+1.4	81	1	26	16	1.12	−1.69	0.32	2	0	6	3	13	15	w.	Ashford General Hospital
Williamson	Mingo	673	44	58.1	−0.3	92	1	31	27	1.94	−0.85	0.74	2	0	7	21	6	4	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	55.6	.....	84	1	32	27†	1.45	...	0.53	8	0	5	15	6	10	sw.	Lockmaster
State averages and extremes		.....	...	53.1	−1.5	95	1	15	27†	1.65	−1.20	2.03	1	T.	6	17	7	7	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35 year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for October 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.41				.09			.80														.34	.08	.04							1.76
Brandywine	do		.04					.06		.23														17									0.50
Brushy Run[2]	do	T.		T.		T.		.21		.19														.09	.13	.02		T.					0.64
Harpers Ferry[2]	do	.14	T.	.19			.08	T.	.05	.20															.10	.05							0.81
Inwood	do	.31					.06			.19																.05	.04						0.65
Kearneysville	do	.29	.31				.06	.05		.35														.07	.06	T.							1.19
Knobly Mountain[2]†	do	T	.08				.09	T.		.10														T.	.62		T.						0.89
Martinsburg[4]	do	.01	.09				.06	.06	.18	.02					.02									.15		T.	.03						0.62
McNeill†	do	.05					T.	T.		.58														.52	.12	T	.06						1.33
Petersburg	do		.02				T.	.01	.10	.04			T.											.34	T.	.02	T.						0.53
Piedmont	do	.37	.08	.02			.07	.04		.22														.40	.05		.04						1.29
Romney	do																																
Spruce Knob[2]†	do	T.	.13	.07			.34	.29	.08	.39														.21	.37	36	T.						2.24
Stony River Dam[2]†	do		.25				.03	.16		.43														.20	.37	.04	.04						1.52
Wardensville[2]	do		.02				.08	.08		.21														.02	.06	T.	T.	T					0.47
Northern Division																																	
Aberdeen†	West Fork		.55	T.			.02	.08	T.	1.01	T.													.23	.08	.01							1.98
Bellington[2]	Tygart		.27	.22			06	.10		.90	.03													.19	.16	.09	T.	T					2.02
Beuson†	West Fork		.50					.09	.21	.76	.02													.21	.02	.02							1.83
Beus Run	Ohio		.90						.16	.08													.13	.20		.03	T.					T.	1.50
Big Skin Creek†	West Fork		.57				.04		.03	.75													.16	.09									1.64
Brandonville[2]	Cheat	T.	.48	.05				.23		.86	T.			T	T.									.20	.15	.03	.10						2.10
Brownsville†	West Fork		.48																					.19	.04								0.71
Buckhannon	Tygart		.60	T.			.05	.10	.35	.61														.24	.04	.07	T.						2.06
Cairo	Litl.Kanawha		.99							.35														.33	.03	.01							1.71
Canaan Valley	Cheat		.29					.13		.60														.52	.02	.03							1.59
Clarksburg[2]	West Fork	.01	.36					.05		.78	.04													.15	.10	.05	.01						1.55
Crawford	do		.62				.04		.46	.52														.24	.05	.02	T.						1.95
Creston[2]	Litl.Kanawha		.80							.30														.23	.10	T.							1.43
Dailey[2]†	Tygart		.15	.15			.08			.69														.19	.17		T.	.04					1.47
Dam 10, Mon. R.[2]†	Monongahela		.78	.01				.13		.85	.08					.05								.11	.22	.02	.06						2.31
Dam 13, O. R.[2]†	Ohio	T.	1.15					.31		.25													.02	.17	.18	.06	.05						2.19
Dam 15, Mon. R.[2]†	Monongahela	.02	.50	.02				.12		.65	.02				T.									.15	.16		.03						1.67
Dam 19, O. R.[2]†	Ohio		.64					.03		.04														.17	.09	.02							0.99
Dam 20, O. R.[2]†	do		1.05							.05														.15	.10	T.							1.35
Elizabeth (Dam 3)[2]	Litl.Kanawha		.92							.62														*	.46								2.00
Elk†	West Fork		.50					.40	.70		.20													28									2.08
Elkins[1]†	Tygart	T	.26				.03	.03	.68	.12			T		T.	T.								.37	.02	03	T.					T.	1.54
Fairmont[2]	Monongahela																																
Glenville[2]	Litl.Kanawha		.43							.72														.19	.04	T.							1.38
Grafton	Tygart		.36				.01			1.13	.01													.16	.04	.02	.04						1.77
Hackers Creek†	West Fork		.44						T.	1.01														.24									1.69
Hall[2]	Tygart		.52	T.			.02	.06		1.02	.03													.12	.15	.07	.03						2.02
Harrison Co. Arpt.[4]	West Fork		.32				.01		.98	.05				T.	T.									.22	.01	.01	T.					T	1.60
Hastings	Ohio		.90					.10	.05	.38														.29	.03	.01	.07						1.83
Horner	West Fork		.55				.05	.07																									
Ireland	do	.75					1.02																	.95									1.62
Jane Lew	do						.80			.85														.07	.30								2.14
Kumbrabow St. For.†	[2]Tygart		.49				.07			1.12														.19	.04	.06	T.						1.44
Mannington	Monongahela	.10	.66					.10	.10	.35			T.											.32	.10	.18							2.28
Middlebourne[2]	Middle Is. Creek		.92					.04		.21														.27	.03	.01	.07					T.	1.69
Midvale[2]†	Tygart		.46	.04			.08	.07		1.22												.03		.16	.09		.07						1.52
Morgantown	Monongahela		.63	.02				.60		.39	T.					.03								23	17	.09	T	T.					2.36
Mt. Clare	West Fork		.40				.15		.72	.42														.28	.11		.05						2.11
New Cumberland	Ohio	T.	.85	.05		T.	.08	.27	.15	.05	T.					T.							.03	.81	.05		.03						1.95
New Martinsville	do		.91					.05	.17	.10					T									.23	.03								2.37
Parkersburg[1]†	do	.12	.71					.03	.05													.04	.26	.02	.04	.03				T.		1.62
Parsons	Cheat		.38				.14		T.	.75	.02		.01									T.	.16	T.	.01	T.						1.11
Philippi[2]	Tygart		.50	T.			.04	.12		.90	T				T									.59	.02	.05	06						2.02
Pickens	do		.86				.07		1.00	1.08														.13	.13	.07	.01	T.					1.90
Roanoke	West Fork		.20					.03	.02	.81														.35	.05								3.41
Rockford†	do		.60		T.			.15	.24	.65														.12	.13	.04							1.35
Rowlesburg[2]	Cheat	T.	.52	.09			T.	.09		.92	.03				T.									.20	T.	.04	T.						1.88
Saint Marys[2]	Ohio		.86					.04			.16													T.	.39	.09	T.	.04					2.17
Salem	West Fork		.72				T.	.08	.32		.47											.05		.16	.09	.04							1.40
Shinnston	do		.80						.52	T.														.18		.03							1.80
Thomas[2]	Cheat		.25	.20			.15	.10		.80	.05														.23	T.							1.55
Valley Chapel	West Fork		.45	.02			.04	.11	.05	.92														.10	.67	.10							2.42
Valley Head[2]	Tygart		.04	.20			.06	.08	T.	.65															.24	.04	.02						1.89
Vandalia†	West Fork		.68				.05		.18	.75												.10		.12		.08							1.33
Wellsburg (near)	Ohio		1.45	.04			.05	.22	.25	.06				T.										.27	.05								1.98
West Milford	West Fork							.15	.30	.76	.05													.72	.05	.08	T.						2.92
Weston[2]	do		.23	.10			.04	.10		.82														.26			.05						1.57
Wheeling (Dam 12)[2]	Ohio		1.37					.19		.16	T.				T.									.18	.08	T.							1.55
Southern Division																								.20	.25	.05	.02						2.24
Alderson	Greenbrier						.82		T.	.25	T.																							
Arbovale	do		.08				.05	.05	.23															.20	.40								1.67
Athens	New		17				.31	.02		.34					T.									.15									0.56
Bluefield	New	2.03	.37			.01	.26		.09	.21						.01								.47		.02							1.31
Camden-on-Gauley[2]	Gauley		.38				.10	.06		.88														.52									3.52
Charleston	Gr. Kanawha		.83				.02	.01		.95														.14	.03								1.59
Charleston (Airport)[4]	do		.56			.02		T.	.72					T.								.01		.27	.17	.05						.03	2.33
Clay	Elk		.60							.90														.28	.02	T.						.04	1.65
Flat Top[4]	New		.41		.27	.07	T.	.29	.02															.25	.13	.10							1.98
Gary[2]	Big Sandy		.18	.14			.18		T.	.27					T.							.15		.46	.02								1.69
Greenbottom†	Ohio		.69						.27	.08														.32	.06	.01							1.16
Hinton[2]	New		.08	.09			.23			.19												.47			.03								1.54
Hogsett[2]	Ohio		.78							.27														.32	.05								0.96
Huntington	do		.68		T.	T.		39	.06															.26	.20	T							1.51
Kayford[2]	Gr. Kanawha			.65		.10			.75															.61	.08								1.77
Lewisburg	Greenbrier																							.20		.12							1.82
Logan[2]	Guyandot		.37				.06			.69																							
London Locks[2]†	Gr. Kanawha		.07	.12			.13	.10		1.01														.29	.08	.13							1.62
Madison[2]	Coal		.40				.08	.02		.88														.24	.16	.12							1.95
Oak Hill[2]	New		.43				.16		.60													.07		.32	.06	.11	.01						1.88
Pineville[2]	Guyandot																							.28	.14	.09							1.77
Point Pleasant[2]	Ohio		1.19							.22																							
Princeton[2]	New		.15				.24	.22		.33														.23	.20	.02							1.86
Rainelle	Greenbrier		.37				.22	.09	.02	.50														.38	.09								1.41
Ravenswood[2]	Ohio		.88							.24														.52	.04	.05							1.81
Richwood[2]	Gauley		.26	.37			.12	.14		.88				.12										.20	.15								1.47
																																	1.89

Continued on next page.

Daily Precipitation for October 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																							.34									1.06
Seneca State Forest†	Greenbrier		.28				.08	.03		.33														.22	.11	.02							1.57
Spencer[2]	Litl.Kanawha		.64				.10	.06		1.00														.20	.17	.10							1.63
Summersville[3]	Gauley						.08			1.07														.30	.08	.05							2.24
Sutton	Elk		.66				.08			1.07														.05	.28								1.65
Union[2]	New		.10	.30			.53			.39																							1.74
Wayne[2]	Twelvepole		.96			.05		.03		.70																							
Webster Springs	Elk																							.25	.07								1.12
White Sulp'r Spgs.	Greenbrier		.32				.24	.01		.23													.03	.34	.29	.12							1.94
Williamson[2]	Big Sandy		.74				.08			.34													.01	.15	.23								1.45
Winfield Locks[2]†	Gr Kanawha		.53	T.			T.			.53																							

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for October 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard[3]	Maximum	74	67	51	58	64	60	58	69	60	47	53	58	55	46	44	53	64	70	70	60	67	72	62	60	54	48	48	56	62	70	65	59.5
	Minimum	44	42	35	22	28	41	46	38	39	26	22	28	34	26	27	28	36	35	32	31	27	40	44	45	42	32	30	25	32	30	33	33.6
Bluefield	Maximum	82	74	60	62	61	66	68	70	68	52	59	68	65	55	53	54	71	74	72	69	74	74	70	58	54	53	57	71	74	73	70	65.5
	Minimum	56	54	44	36	47	54	57	46	36	30	38	39	40	36	35	30	38	42	42	46	46	46	54	44	47	43	34	32	42	46	51	42.9
Brandywine	Maximum	73	69	62	67	70	68	65	75	60	55	61	69	62	52	55	62	80	82	81	76	78	79	68	63	59	57	60	76	81	80	75	68.4
	Minimum	47	52	34	20	30	44	42	33	34	20	20	25	26	21	25	22	28	34	31	38	28	38	48	38	10	31	23	21	28	29	36	31.8
Buckhannon	Maximum	78	72	57	64	67	66	65	69	56	52	57	63	61	52	49	57	65	71	71	68	72	74	70	56	57	54	55	69	73	71	69	63.9
	Minimum	51	47	33	30	36	50	50	35	34	30	29	32	30	28	30	34	38	38	40	43	38	49	55	46	46	44	29	33	58	55	58	40.3
Cairo	Maximum	85	84	68	68	72	74	67	70	53	57	61	69	71	55	59	64	74	76	80	81	80	81	81	81	53	59	59	63	78	79	80	81	70.4
	Minimum	57	53	56	31	43	55	53	40	37	30	29	37	31	33	34	31	34	34	37	40	34	48	46	45	46	39	26	39	32	36	41	39.3
Charleston (Airport)	Maximum	86	77	60	76	73	71	73	74	56	60	66	73	61	54	57	65	76	80	80	74	83	83	62	53	59	60	67	79	78	79	79	70.1
	Minimum	60	51	38	38	48	55	44	42	36	35	36	38	34	34	32	32	38	44	44	44	44	50	46	46	43	31	28	34	38	39	45	40.9
Clarksburg[3]	Maximum	82	60	54	67	69	68	65	66	47	52	57	61	52	50	53	60	69	75	72	62	73	78	65	51	54	54	55	70	72	74	68	63.1
	Minimum	50	52	38	32	32	41	53	40	37	32	31	32	36	32	36	35	36	36	37	37	35	36	51	44	44	40	27	27	30	34	37	37.4
Cranberry Glades	Maximum	70	64	50	58	61	60	60	68	53	53	60	61	53	44	47	54	75	74	72	65	70	72	62	52	51	19	55	68	72	70	65	60.9
	Minimum	51	46	32	22	30	47	43	32	31	19	19	25	28	20	27	22	41	29	28	36	31	36	50	39	37	32	28	25	25	26	38	32.1
Elkins	Maximum	80	72	52	71	67	67	63	73	43	53	61	63	52	47	48	58	70	77	76	65	75	76	69	50	56	51	56	72	73	72	69	63.8
	Minimum	57	49	31	30	38	52	42	37	33	30	28	34	30	28	29	29	36	34	34	37	34	45	44	44	42	38	29	28	32	33	48	36.6
Fairmont[3]	Maximum																																
	Minimum																																
Flat Top	Maximum	76	59	51	60	59	63	60	69	41	51	57	65	50	49	47	53	71	74	71	68	70	73	64	48	50	51	55	67	72	71	67	60.7
	Minimum	51	45	33	33	42	51	47	39	28	24	31	40	26	26	31	31	41	39	39	39	39	42	41	40	35	35	31	47	39	42	35	37.5
Gary[3]	Maximum	85	66	61	72	66	69	68	75	51	61	65	73	58	57	53	59	75	80	78	72	81	81	68	54	58	57	64	75	79	79	75	68.2
	Minimum	55	56	45	34	36	50	56	42	38	33	34	34	37	35	41	30	31	34	38	40	42	45	46	47	47	40	27	29	33	34	39	39.6
Glenville	Maximum	88	79	60	72	76	71	72	74	73	62	75	72	73	75	59	66	75	79	80	77	83	82	73	52	59	58	64	79	82	80	76	72.5
	Minimum	59	54	37	34	43	57	55	58	38	35	32	36	35	34	36	32	35	39	39	41	37	48	47	49	46	39	27	30	33	35	41	40.7
Grafton	Maximum	85	85	61	68	71	71	71	72	68	54	63	67	67	59	52	63	72	78	79	78	76	78	78	68	57	56	58	76	76	79	79	69.8
	Minimum	53	49	36	26	37	52	51	36	37	31	27	32	32	29	31	28	32	35	37	40	34	47	50	42	42	39	26	28	32	35	40	37.0
Huntington	Maximum	87	81	65	75	69	70	77	68	59	62	69	76	64	57	59	69	76	82	82	75	84	85	70	54	61	65	69	80	84	83	80	72.2
	Minimum	62	57	42	36	52	59	55	45	39	37	37	44	38	38	39	35	39	41	43	47	43	53	54	47	48	46	31	39	40	40	47	44.3
Logan[3]	Maximum	69	64	76	70	69	80	76	66	49	69	71	63	62	64	57	56	72	81	81	76	82	84	66	71	61	61	66	80	82	81	79	70.5
	Minimum	57	42	38	39	50	46	44	39	38	41	39	39	39	38	39	36	36	40	44	45	48	49	51	48	48	44	31	36	31	39	41	41.8
Madison[3]	Maximum	95	60	62	73	74	68	72	73	55	62	66	75	62	57	56	65	72	77	78	74	81	81	68	62	60	60	66	79	81	80	79	70.1
	Minimum	57	55	40	37	38	55	58	42	37	36	37	38	38	36	40	32	36	38	43	43	46	48	51	58	59	58	32	33	35	37	38	42.9
Mannington	Maximum	82	76	59	68	70	68	68	70	56	55	62	66	62	53	53	63	72	75	76	72	75	79	71	56	57	55	59	75	77	76	70	67.0
	Minimum	54	51	34	28	36	53	51	37	38	29	25	32	30	27	29	30	31	33	33	35	29	42	19	44	40	36	24	27	29	32	37	35.6
Martinsburg	Maximum	71	66	55	58	63	62	68	75	54	53	60	68	56	51	53	67	77	80	81	71	75	77	60	57	58	58	59	74	79	78	78	65.9
	Minimum	51	54	37	31	35	48	47	43	40	32	30	36	38	34	35	43	44	40	42	44	36	45	52	50	45	41	36	31	36	39	51	40.8
Morgantown	Maximum	81	74	57	68	67	67	67	70	48	56	60	63	54	59	53	61	69	74	75	68	75	77	69	56	55	52	56	72	75	76	69	65.3
	Minimum	56	50	37	32	44	55	55	46	37	29	29	45	40	31	32	34	44	48	50	41	40	60	55	42	43	42	32	39	51	45	56	43.2
New Martinsville	Maximum	84	76	58	69	72	71	71	69	59	59	64	69	59	51	56	66	73	76	79	70	77	81	58	50	56	57	61	77	78	79	70	67.6
	Minimum	59	53	39	34	41	58	53	41	37	34	33	39	36	34	34	35	38	39	40	41	35	50	45	43	46	39	29	31	36	39	42	40.2
Parkersburg	Maximum	82	74	57	69	73	69	70	66	53	58	63	67	57	52	55	65	72	78	79	71	78	80	53	54	58	55	62	77	79	77	72	66.9
	Minimum	64	52	42	34	50	58	49	47	39	34	34	47	40	38	36	40	43	43	49	44	41	53	44	44	48	41	31	39	43	44	55	44.1
Petersburg	Maximum	81	69	56	65	70	71	68	81	55	56	62	70	57	52	55	64	81	84	82	75	79	81	65	61	60	58	62	79	81	80	77	68.9
	Minimum	52	56	33	30	37	50	44	40	37	30	30	34	34	31	31	36	38	40	38	41	34	49	52	45	47	43	35	30	36	36	58	39.6
Pickens	Maximum	75	58	52	70	75	64	67	54	38	59	54	60	59	34	58	62	64	63	60	62	65	60	54	51	48	45	55	72	74	65	68	59.5
	Minimum	49	44	26	30	41	34	39	38	25	19	20	29	23	21	19	20	27	34	34	30	30	43	35	33	32	31	15	15	31	33	46	30.5
Point Pleasant	Maximum	85	81	67	70	73	70	69	69	54	60	64	67	67	58	56	65	71	76	77	73	79	80	77	47	59	69	62	75	77	76	73	69.2
	Minimum	60	55	42	35	50	59	55	48	39	34	34	48	38	37	37	37	40	11	41	44	41	55	47	45	49	41	30	39	42	43	53	43.8
Rainelle	Maximum	80	71	52	66	61	61	66	73	57	59	64	64	62	57	51	58	75	79	76	68	75	77	68	51	19	56	60	73	77	74	70	65.5
	Minimum	54	49	35	27	39	50	48	33	33	27	28	27	25	26	34	24	32	33	32	34	38	41	49	42	42	35	26	25	29	30	33	34.8
Spencer[3]	Maximum	85	65	58	71	72	68	69	69	53	68	63	69	58	54	57	63	70	77	77	69	79	79	62	51	58	57	58	77	78	77	74	67.8
	Minimum	53	52	36	31	32	51	53	40	35	31	29	48	32	31	37	36	31	35	36	41	36	54	55	44	44	40	25	31	34	36	50	39.3
Summersville	Maximum	81	63	55	67	70	66	65	72	46	57	61	67	55	50	50	58	71	71	71	67	77	73	71	19	55	53	60	74	77	76	73	64.5
	Minimum	51	49	32	21	37	50	51	33	33	29	28	28	28	25	35	24	24	30	36	32	35	42	53	41	41	39	21	26	28	32	38	34.6
Sutton	Maximum	87	87	70	70	73	73	72	72	68	58	64	68	68	59	57	64	71	78	78	77	82	82	82	80	68	61	62	63	77	72	71	75	71.2
	Minimum	55	52	37	34	43	54	55	40	39	34	33	34	35	32	35	30	34	38	38	45	39	42	53	46	45	35	25	30	33	31	42	39.3
Wardensville[3]	Maximum	78	64	57	61	67	67	69	76	55	48	63	69	56	50	50	65	80	83	84	73	79	80	75	60	60	57	60	78	80	78	77	67.7
	Minimum	50	57	43	28	35	45	51	37	42	29	28	31	34	28	27	31	36	35	37	45	33	47	55	49	48	36	34	28	33	35	42	38.4
Weston	Maximum	88	67	63	74	75	79	70	74	56	60	68	69	62	58	57	64	74	80	79	70	82	83	60	54	61	62	63	78	80	88	76	69.8
	Minimum	60	54	39	33	43	55	60	40	39	34	31	50	39	35	40	34	38	40	40	45	39	55	54	44	46	50	29	32	36	40	62	43.1
Wheeling[3]	Maximum	81	60	52	68	70	64	69	65	55	54	63	67	64	50	54	65	72	76	78	68	76	78	59	49	56	52	58	73	75	76	65	64.9
	Minimum	50	55	41	34	44	50	55	48	42	36	33	47	45	36	35	36	43	41	45	42	38	36	48	43	43	43	34	35	40	41	50	42.3
Williamson[3]	Maximum	92	71	66	78	68	71	75	79	58	64	69	79	65	61	68	67	79	81	83	77	85	86	63	55	61	62	72	83	85	83	81	73.2
	Minimum	59	58	44	38	39	57	58	45	39	38	39	38	39	38	41	34	35	39	43	43	50	49	49	48	49	44	31	33	35	41	41	43.0

Daily Evaporation (inches) and Wind Movement (miles) for October 1945

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.045	.113	.140	.064	.034	.024	.031	.078	.074	.034	.026	.054	.095	.065	.034	.039	.022	.054	.046	.056	.049	.054	.060	.060	.008	.034	.106	.062	.061	.066	.131	1.765
	Wind movement	3	41	106	40	13	4	15	43	64	21	12	19	69	40	16	31	44	15	22	30	5	4	40	66	15	26	109	33	44	27	56	1073
Wardensville	Evaporation	.051	.137	.152	.071	.121	.047	.081	.098	.151	.071	.074	.061	.106	.070	.045	.087	.023	.187	.101	.108					.025	.052	.168	.089	.090	.121	.102	2.861
	Wind movement	16	92	66	26	30	10	15	27	55	27	16	11	41	28	27	29	47	16	15	22	11	23	35	26	12	23	70	30	25	21	29	921

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—12 17-45—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

JAN 18 1946

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

C. L. WILSON, Acting Section Director
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIII NOVEMBER 1945 No. 11

GENERAL SUMMARY

It was the second wettest November of record. The average precipitation, 5.29 inches, was exceeded only by the 5.99 inches in 1921. The northeastern division had 180% of normal precipitation, the northern division 193%, and the southern division 190%. The average number of rainy days was 14, which establishes a new record for November. Light snows occurred in most sections of the State on the 23d, while on the 29th heavy snows, ranging up to 12 inches in mountain sections of Randolph County, made driving by motorists hazardous although snow plows and cinder crews of the State Road Commission were in action immediately.

While temperatures averaged above normal in all sections of the State, yet there were three cold periods occurring on the 4-5th, 15-16th, and the 21st-27th bringing a foretaste of winter conditions. No below zero temperatures were reported.

The ample soil moisture was of great help to wheat and other winter grains. However, many farmers were late with their corn cutting and were unable to get their wheat acreage sown. Dry feeding of stock became necessary early in the month and farm work was on winter routine by the 15th. Trees and shrubbery were dormant throughout the month. Farm butchering was becoming general during the last week of the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 66 stations, was 44.9°, or 1.7° above the normal. The mean for the northeastern panhandle division was 44.2°; for the northern division, 44.3°; and for the southern division, 46.0°. The highest monthly mean was 49.8° at Logan and the lowest, 36.2° at Pickens. The highest temperature was 84° at Charleston on the 13th and the lowest, 4° at Canaan Valley on the 26th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 5.29 inches, or 2.52 inches above the normal. In the northeastern panhandle division, the average was 3.94 inches; in the northern division, 5.80 inches; and in the southern division, 5.05 inches. The greatest monthly precipitation was 9.29 inches at Pickens No. 2, and the least, 2.75 inches at Petersburg. The greatest amount in any 24 consecutive hours was 2.47 inches at London Locks on the 2-3d. The average monthly snowfall was 3.1 inches, or 0.7 inch above the normal. The greatest monthly snowfall was 28.0 at Pickens No. 2. The average number of days with 0.01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	6	1	1	..	..	1	..	..	..	1	1	5	5	2	..	1	..	..	1	..	2	..	..	..	1	..	1	4	1	..	..
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	4	3	..	1	..	..	2	2	..	..	..	3	1	1	..	3	6	3	..	3	10	6	3	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	1	1	1	2	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	1	..	..	..	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	26	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	17	16	..	1	..	..	..	..	..	..	..	5	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.57	10	29.54	21	9.1	22	sw.	21	83	65	69	37	578
Columbus, Ohio	30.60	10	29.51	21	11.6	43	s.	21	84	73	78	32	656
Elkins	30.52	10	29.54	22	7.6	39	w.	22	85	66	82	41	673
Huntington Airp't.	30.53	10	29.61	21	.....	22	w.	22	80	64	76	....	552
Parkersburg	30.57	10	29.54	21	7.9	28	nw.	17	76	61	71	37	559
Petersburg, W. Va.	30.57	10	29.61	22	.....	29	n.	19	78	54	69	....	660
Pittsburgh, Pa	30.58	10	29.54	21	10.9	34	w.	22	74	68	73	24	647

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	.....	8	..	..	..
1892	41.7	81	3	2.64	5.59	2.79	3.10	.....	..	..	..	..
1893	41.4	74	3	2.44	2.27	1.77	2.12	.....	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	.....	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	.....	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	.....	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	.....	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	.....	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37 3	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5 25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1 84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1 5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	- 5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
1941	44.3	80	6	2.31	2.40	2.17	2.31	.2	7	14	6	10
1942	44.7	80	9	2.12	4.49	3.65	3.81	.2	12	8	8	14
1943	41.1	83	2	1.73	2.37	1 98	2.12	2.3	7	11	8	11
1944	42.5	79	5	1.61	2.52	2.08	2.22	2.4	12	7	6	17
1945	44.9	84	4	3.94	5.80	5.05	5.29	3.1	14	8	8	14
Period	43.2	88	−14	2.19	3.01	2.70	2.77	2.4	9	11	6	13

Climatological Data for November 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	39.4	+0.3	70	7†	5	26	5.21	+2.21	0.88	19	7.5	18	10	2	18	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	46.2	+4.2	76	7	10	5†	3.47	+1.69	0.85	14	T	9	17	3	10	s.	E. L. Kelster
Great Cacapon	Morgan	500	1	46.8	.....	79	9	18	23	2.82	.....	1.58	19	0	6	8	9	13	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	.....	.....	.....	.....	.....	4.97	+1.78	1.09	29	0	12	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	12	46.0	.....	79	9	19	21†	3.74	.....	1.20	28	0	13	9	13	8	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	46.0	+1.0	78	9	19	27	4.07	+1.47	1.41	28	0	11	6	11	13	n.	University Exper. Station
Martinsburg	Berkeley	435	53	44.4	+1.2	76	9	20	21	4.06	+1.81	1.38	28	T.	15	16	2	12	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	44.6	+2.2	80	1†	13	27	4.02	+2.47	1.29	29	T.	10	6	11	13	w.	R. E. Saville
Petersburg	Grant	1,029	6	45.0	.....	80	7	18	27	2.75	.....	0.81	14	0.1	15	6	6	18	s.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	43.4	+1.2	76	13	21	26†	4.06	+2.17	0.98	28	0.5	13	8	6	16	nw.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	...	...	...	...	4.72	+1.48	0.87	3	12.5	13	7	7	16	w.	Fred Becker
Wardensville, 2¼ mi. NE	Hardy	1,200	27	43.9	+0.0	76	8†	17	21†	4.07	+2.44	1.03	15	T.	11	.....	.....	.....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	6.14	+2.80	1.02	29	2.9	17	6	8	16	.....	L. Esle Bond
Bensou	Harrison	1,080	20	45.6	+2.5	78	2	17	26	5.75	+2.26	0.95	14	2.0	18	5	16	9	.....	R. D. Marts
Bens Run	Pleasants	652	44	46.0	+1.9	76	1	23	23†	5.32	+2.43	1.05	11	0.7	17	13	5	12	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	39.4	.....	74	7	8	26	6.19	.....	1.26	3	3.0	13	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	47.5	+2.9	80	1	16	26	5.72	+2.05	1.05	3	1.0	18	6	11	13	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	54	45.1	+2.9	74	1	20	5†	6.75	+3.65	1.24	14	4.5	20	10	9	11	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	39	47.2	+3.5	81	2	18	26	5.49	+2.61	0.86	14	0.4	17	6	9	15	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	41.2	.....	72	12	4	26	5.77	....	0.85	14	10.3	13	4	17	9	w.	George B. Thompson
Clarksburg	Harrison	1,015	22	43.0	+0.2	76	1	19	26†	5.01	+1.82	0.88	3	4.1	14	14	2	14	w.	Clarksburg Water Board
Creston	Wirt	640	44	47.4	+3.2	80	1	21	4†	6.17	+3.42	1.25	3	2.0	14	7	10	13	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	23	43.7	.....	72	1†	21	24†	4.89	+1.74	0.99	3	1.1	15	10	6	14	sw.	Lockmaster
Dam 13 O. R	Marshall	655	29	.....	.....	.....	.....	.....	.....	4.36	+1.98	0.86	3	1.0	15	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	23	.....	.....	.....	.....	.....	.....	5.08	+1.79	0.80	3	1.0	14	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	5.29	+2.65	0.95	11	0.2	14	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	6.27	+3.67	1.10	3†	0	13	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	35	.....	.....	.....	.....	.....	.....	6.05	+3.51	1.46	3	1.0	14	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	46	42.5	+3.2	78	7	17	26	6.21	+3.43	1.20	3	10.0	17	4	7	19	nw.	U. S. Weather Bureau
Fairmont	Marion	883	53	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. C. Robinson
Glenville	Gilmer	738	57	48.0	+3.7	81	2	18	26	6.41	+3.36	1.09	3	2.0	16	5	17	8	w.	Howard R. Brannon
Grafton	Taylor	1,050	51	46.0	+2.9	79	2	20	5	5.96	+3.53	1.07	15	1.5	15	14	4	12	.....	L. W. Clayton
Grantsville	Calhoun	760	1	47.6	.....	82	1	18	26	5.70	.....	1.10	14	0.1	13	16	14	0	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	5	44.6	.....	76	1	19	26	4.89	.....	0.96	2	1.0	15	6	6	18	sw.	U. S. Airway Station
Hastings	Wetzel	809	10	.....	.....	.....	.....	.....	.....	5.93	.....	1.07	14	2.5	20	4	10	16	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	21	.....	.....	.....	.....	.....	.....	5.80	+2.48	0.96	14	1.4	17	.....	.....	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	43	43.6	+1.6	75	1†	16	26	5.06	+2.02	0.90	15	2.1	20	5	7	18	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	4	45.3	.....	78	1†	18	26	5.29	.....	1.14	3	0.5	14	11	3	16	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	69	45.8	+2.0	74	7	20	23†	4.87	+2.34	0.87	14	0.2	21	10	4	16	s.	State Dairy Farm
New Cumberland	Hancock	671	50	41.8	+0.2	73	6	14	22	4.22	+1.90	0.82	3	0	19	5	5	20	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	45.3	+0.5	76	1†	22	5	6.33	+3.49	1.05	3	1.2	18	8	9	13	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	60	46.6	+2.8	77	1	24	23	4.89	+2.32	0.97	11	0.5	17	5	7	18	se.	Section Center
Parsons	Tucker	1,649	46	43.4	+2.2	79	7	17	26	5.89	+2.96	0.90	14	5.5	17	..	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	5.91	+2.98	0.85	29	3.5	16	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	55	36.2	−4.2	71	1	7	26	7.99	+3.77	1.25	19	21.1	17	12	6	12	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	21	.....	.....	.....	.....	.....	.....	5.52	+2.15	0.89	3	T.	15	8	7	15	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	60	46.0	.....	79	7	20	26	6.80	+3.25	1.16	20	3.0	15	8	0	22	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	34	.....	.....	.....	.....	.....	.....	5.67	+2.87	1.17	11	0.5	13	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	16	.....	.....	.....	.....	.....	.....	7.23	+4.24	1.04	20	13.5	13	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	21	47.2	+2.2	79	1	18	26	6.25	+2.98	0.96	14	3.0	17	9	8	13	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	52	43.1	+1.3	76	8	17	26	4.38	+1.81	0.60	19	T.	16	7	4	19	....	George P. Pfister
West Milford	Harrison	979	19	.....	.....	.....	.....	.....	.....	5.97	+2.36	0.95	14	3.0	16	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	54	48.8	+4.8	81	1	20	26	6.27	+3.33	1.10	3	2.0	15	0	20	10	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	61	44.8	+2.6	74	8	23	23†	4.23	+1.80	0.88	3	0.5	15	9	7	14	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	46.5	.....	80	2	18	15	3.98	.....	0.85	3	1.5	9	....	.....	.....	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	4.01	+0.93	0.90	2	6.0	11	11	8	11	sw.	H. S. Sutton
Athens	Mercer	2,600	5	45.0	.....	74	1	18	23†	2.86	.....	1.13	14	1.0	10	9	8	13	nw.	Concord College
Bluefield	Mercer	2,558	50	46.8	+1.9	73	1	20	24	3.42	+1.37	0.97	15	5.5	16	10	11	9	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	58	47.6	−0.3	84	13	23	26	5.96	+2.89	1.89	3	0.2	13	7	9	14	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	46.4	.....	80	1†	19	26	5.79	.....	1.35	2	T.	17	8	4	18	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	38.8	.....	70	1	8	26	6.10	.....	1.27	3	14.0	18	7	11	12	w.	Department of Justice
Flat Top	Mercer	3,235	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	U. S. Airway Station
Gary	McDowell	1,426	28	46.6	+1.6	81	12	22	16†	4.24	+1.54	1.00	15	1.0	11	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	46.8	.....	79	1	23	23†	5.43	.....	0.85	3	0	13	.....	.....	.....	w.	State Forest Nursery
Hamlin	Lincoln	641	2	45.6	.....	81	1†	17	26	5.37	.....	1.71	3	T	15	10	6	14	.....	W. Va. Water Service Co.
Hiuton	Summers	1,431	56	46.6	+2.5	83	1	20	5†	3.36	+0.95	0.91	15	0.8	11	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	49.2	+4.9	81	1	25	23†	5.03	+2.51	1.40	3	T.	17	5	9	16	sw.	H. N. Robinson
Kayford	Kanawha	1,335	28	.....	.....	.....	.....	.....	.....	5.93	+2.78	1.75	3	0.1	5	.....	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	32	49.8	+2.5	83	1	25	24	5.83	+2.60	1.59	3	T.	12	13	4	13	.....	J. W. Ruff
London Locks	Kanawha	623	10	47.9	.....	80	7†	26	5†	7.19	.....	2.47	3	0	14	11	1	18	se.	Lockmaster
Madison	Boone	675	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	44.6	.....	79	8	11	25	5.36	.....	1.41	2	3.3	15	4	8	18	.....	M. H. Martin
Pineville	Wyoming	1,350	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	55	48.4	+2.9	78	1	20	23	5.86	+3.03	1.42	3	T.	11	8	6	16	w.	E. C. Winger
Rainelle	Greenbrier	2,424	14	41.8	+1.5	74	1	16	16†	7.65	+4.66	1.26	3	13.0	19	12	2	16	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	43.8	−1.9	73	1†	19	26	4.75	+2.03	1.18	3	T.	13	9	3	18	se.	Lockmaster
Richwood	Nicholas	2,193	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	42	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Supt., State Forest
Spencer	Roane	789	46	45.6	+1.5	79	1	18	26	5.48	+2.81	1.18	3	1.0	16	3	11	16	.....	A. M. McKown
Summersville	Nicholas	1,900	9	42.3	...	78	1	15	23	5.93	.....	1.60	3	7.0	11	2	16	12	.....	A. E. Dorsey
Sutton	Braxton	850	42	48.4	+4.4	80	1†	19	26	7.31	+4.11	1.36	29	4.0	16	14	12	4	.....	C. B. Eakle
Union	Monroe	2,200	41	43.4	+1.0	76	1	16	5†	3.08	+0.74	0.95	15	0	10	12	0	18	.....	C. B. Kiug
Webster Springs	Webster	1,500	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	45.7	+3.6	77	3	18	5†	3.88	+1.60	0.90	14	1.6	12	1	9	20	w.	Ashford General Hospital
Williamson	Mingo	673	44	49.2	+3.6	82	1	25	16	4.71	+1.89	1.23	4	1.0	10	14	3	18	nw.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	47.4	.....	80	1	22	26†	5.01	.....	1.35	3	T.	14	7	5	18	sw.	Lockmaster
State averages and extremes		.....	...	44.9	+1.7	84	13	4	26	5.29	+2.52	2.47	3	8.1	14	8	8	14	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ° one day, ᵇ two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for November 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.05	.38	.34				T.		T.	.32	.25	.05	T.	.78	.05		.20	.38	.88	.08		T.	.08	.15			.06	.53	.60	.03		5.21
Brandywine	do		T.	.40							.11				.85				.21	.36	.08		.53	T.	T				.60	.33			3.47
Brushy Run[2]	do			.57	T.						.02	.19			.45	.62			.12		.39		.27		T.				.61	.05			3.29
Harpers Ferry [2]	do			.38	T.							.12	.40	.03	.25	.51			.12		.45		.52					.69	1.09	.41		4.97
Inwood	do		.10	.26							.10		.08		.32	.27			.12	.43	.06		.41					1.20	.38	.01		3.74
Kearneysville	do		.28	.28							T.	.11	.02		.30	.28				.56			.54					1.41	.27	.02		4.07
Knobly Mountain[2]†	do			.74						.10	.52		.08		.22	.25			.17		.68		.52		T.	T.		.84	.16			4.28
Martinsburg [4]	do		.10	.19							.12	.03	.03	.10	.54	.16		T.	.11	.51		.02	.43		T.		.03	1.38	.31			4.06
McNeill†	do		.16	.48							.12	.09			.91	.20			.04	.34		T.	.39		T.		T		1.29			4.02
Petersburg	do		.31	.09							.17	.03		.13	.70	.01		T.	.03	.31		.22	.01	.01	T.		.14	.48	.11	T.		2.75
Piedmont	do		.25	.27							.05	.27			.26	.17				.57	.36		.59	T.	.03			.06	.92	.26			4.06
Romney	do																																
Spruce Knob [2]†	do			1.08	.27						.18	.28			.36	.38			.34	.08	.34		.22	.04		.06		.18	.27	.07		4.15
Stony River Dam [2] †	do			.87							.22	.24			.37	.27			.40		.60		.49	.05	.25			.35	.37	.24		4.72
Wardensville [3]	do			.28								.07	.02		.42	1 03			.08		.35		.33	T.	T.			.98	.40	.11		4.07
Northern Division																																	
Aberdeen†	West Fork		.40	.56						T.	.28	.04			.97	.29		.12	.46	.59	.18	T.	.62	.02	.12			.02	.20	1.02	.25		6.14
Belington [2]	Tygart			.81	.17						.36	.09	T.		.33	1.05	T.		.46	T.	.71		.58	.02	.16	T.			.26	.74	.43		6.17
Benson †	West Fork		.44	.58							.34	.24	.05		.95	.16		.04	.30	75	.23		.47	08	.08			.06	.18	.79	.10		5.75
Bens Run	Ohio		.59	.78						.27	.35	1.05	.09	.20	.50	.03		.08	.28	.72		.02		.03			.09	.09	.15			5.32
Big Skin Creek†	West Fork			1.05				T.		.25	.03		.05		1 25				.16	.94		.53		.16	.15	.55		.06	1.14	.16		6.48
Brandonville[2]	Cheat			1.26	T.						.30	.63	.05		.54	.53			.42	.17	.50		.92		.18			.47	.22			6.19
Brownsville†	West Fork		.35	1.05							.20	.05	.04		.90	.15		.11	.43	.60	.12		.62	.08	.06			.05	.23	.58	.10		5.72
Buckhannon	Tygart		.51	.62						.05	.28	.01	.04	T.	1.24	.11		.13	.38	.58	.05	.04	.78	.12	.08			.04	.39	1.12	.18		6.75
Cairo	Litl.Kanawha		.70	.63							.28	.53			.86	.06		.03	.10	.83	.15	T.	.42	.01	.06			.04	.02	.52	.25		5.49
Canaan Valley	Cheat		.59	.60	T.					T	.34				.85			.09	.47	.84	.24		.36	T.	.18			.03	.58	.60			5.77
Clarksburg [2]	West Fork			.88	T.						.27	.17	.02		.35	.55		T.	.29	.08	.65		.45	T	.25				.25	.65	.15		5.01
Crawford	do			.51	.72					.28	.03			.03	1.16	.22		.09	.26	.50	T			.07			.02	.30	1.03	.18		5.49
Creston [2]	Litl.Kanawha			1.25	T.						.35	.50	.07		.60	65			.45	.05	.50		.40	T.	.17				.10	.60	.48		6.17
Dailey [2]†	Tygart			.85	.05						.36		.10	.09	.26	.80	T.		.59		1.05		.56	.02	.07	T.			.47	.82	T.		6.09
Dam 10, Mon. R. [2]†	Monongahela			.99	.28						.30	.36	.09		.40	.58			.32		.40		.41		.05	.01			.19	.33	.18		4.89
Dam 13, O. R. [2]†	Ohio			.86	.16	T.					.31	.78	.14		.55	.05		.02	.38		.43		.14	T.	.08				.12	.27	.07		4.36
Dam 15, Mon. R. [2]†	Monongahela			.80	.11						.29	.34	.07		.35	.66	T.		.34		.59		.48		.09	T.			.21	.55	.20		5.08
Dam 19, O. R. [2]†	Ohio			.79							.40	.95	.22		.54	.15			.28	.26	.82		.34	T.	.01				.20	.20	.13		5.29
Dam 20, O. R. [2]†	do			1.10							.40	1.10	.38		.57	.24		T.	.26	.28	.73		.42	T.					.22	.30	.27		6 27
Elizabeth (Dam 3)[2]	Litl.Kanawha			1 46							.32	.41	.10		.50	52			.30	.32	.53		.45		.10				.22	.42	.40		6.05
Elk †	West Fork		.40	.80						.30	.10		.40		1.10					1.40				.40				.60	.80	.40		6.70
Elkins [1]†	Tygart		1.03	.21						.10	.19	T.		.18	.95	T.		.26	.14	.85	T.	.34	.23	.05	.04			.42	.57	.54	.11		6.21
Fairmont [2]	Monongahela									.34	.17	.02		.17	.75	T.		.12	.13	.74		43	T	.05	.03		.22	.36	.40	T.		4.89
Glenville [2]	Litl.Kanawha		.06	1.09	.06					.01	.35	.62	.16	.01	1.07	.07			.09	.26	.70		.38	.01	.15		.15	.08	.48	.08	.08		5.93
Grafton	Tygart		.01	.54	.59						.63	.74																					
Hackers Creek †	West Fork		.30	.60							.34	.24	.02			1.07			.45		.82		.41		.46			.28	.51	.32		6.41
Hall [2]	Tygart			.89	.15						.40	.25	.10		1.09			.15	.28		.81		.50	.03	13			.25	.97	.18		5.96
Harrison Co. Arpt. [4]	West Fork		.96								.28	.06	.05		.35	.84	T.		.30	.90			.45	.21			.11	.20	.60	.15		5.81
Hastings	Ohio		.40	.78						.34	.17	.02		.17	.75	T.		.12	.52	T.	.69		.74	T.	.18	T.		.26	1 03	.26		6.30
Horner	West Fork		.35							.01	.35	.62	.16	.01	1.07	.07		.09	.26	.70		.38	.01	.15		.15	.08	48	.08	.08		5.93
Ireland	do		.63	.74							.90				1 05				.45	.72			.60		.30								
Jane Lew	do		.49	.66		T.				.02	.15	.09			1 20	.20				1 05		.08					.32	.24	.85	.16		5.62
Kumbrabow St. For.†	[2]Tygart	.03	.36	.79	.02					.02	.38	.28	.03		.96			.20	.33	.82	.01		.48	.05	.10			.12	.23	T.		4 81
Mannington	Monongahela	T.	.43	.59							.25				.99	.08	.49	.17	.66	.98	.48	.05	.61		.21			T.	.24	.65	.10		5.80
Middlebourne [2]	Middle Is.Creek			1.14						.07	.15	.49	.06	T.		.90	04	.11	.24	.58	.01	.01	.46	.11	.09			08	.20	.70	.50		7.60
Midvale [2]†	Tygart			1.03	.18						.29	.70	.15		.47	37			.26	.11	.59		.35		.05			.05	.19	.43	.05		5.06
Morgantown	Monongahela		.55	.68						.25	.39	.17	.01		.38	1.18	.01		.43	.01	.70		.71	.04	.15				.15	.56	.10		5.29
Mt. Clare	West Fork	.03	.45	.44						.20	.15	.40	.01	.10	.87	.08		.05	.21	.36	.02	.03	.32	.01	.01				.23	1.40	.53		7.55
New Cumberland	Ohio		.82	.58						.20	.30	.05			.95	.05		.13	.33	.80	.04	.50		.14				.01	.17	.50	.09		4.87
New Martinsville	do		.50	1.05						.35	.23	.05	.05	.23	.28			.30	.20	.53	.03	.06	.18	.03	.01			.27	.19	.44	.30		5.61
Parkersburg [1]†	do		.54	.35						.30	.49	.78	.12	.16	.66	T.		.22	.24	.73		.12	.33	.10	T.			.20	.03	.11			4.22
Parsons	Cheat		.41	.63	T.					.33	.63	.47	T	.43	.29			.15	.03	.89		.31	.01	.05	T.			.17	.03	.30	.03		6.33
Philippi [2]	Tygart	T.		.78	.18	T.				T.	.37	.29	T.		.90	.11		.02	.38	.08	.79	T.	.48	.04	.13			.17	.13	.10	.01		4.89
Pickens	do		.76	.75							.51			.13	1.01	.18			.28	.01	.68		.66	T	.18	T		04	.29	.86	.12		5.89
Roanoke	West Fork		.21	.89							.37	.07	.05		.32	.90	.03		.28	.01	.68		.66	T	.18	T			.23	.85	.32		5.91
Rockford †	do		.19	.86		T.				.02	.51	.23			.47	.73	.20	.33		.60			.61	.03	.06			.35	.10	1 00	.20		7.99
Rowlesburg [2]	Cheat	T.		.86	.21						.12	T.	.05		.47	.73	.20	.33		.60			.61	.03	.06				.25	.86	.11		5.52
Saint Marys [2]	Ohio			1.06							.32	.31	.05		.28	.83	T.		.46	.04	1.16		.91	T.	.18	T.		.14	.23	.72	.12		5.64
Salem	West Fork		*	1.22						.22	.21	.15		03	1.02	.01		.33		.85			.47	.07	.14				.44	.53	.22		6.80
Shinnston	do		.40	.10						.62	.51	.73	T.		.55				.27		.62		44		.09			.28	.18	.30	.12		5.67
Thomas [2]	Cheat			.93	.32						.32	T.	.30		.26	.89	T		.52	.10	.90		T.		.04			.17	.64	.07		5.88
Valley Chapel	West Fork		.46	.61							.38	.22			.96	.15		.17	.33	.73	.13		.58	.12	.27			.03	.19	.80	.12		5.86
Valley Head [2]	Tygart			.85	.04						.22	.07			.41	.90	T.		.51	T.	.80		.50	.02	.18	T.			.29	.40	.18		7.23
Vandalia †	West Fork		44	.69							.33			.17	1.09	.12		.20	.30	.55	.04		.75		.09				.25	.71	.14		6.25
Wellsburg (near)	Ohio		.34	.33						.88	.53	.48	.05	.23	.45			.30	.14	.60			.17	.05	.03			.15	T.	.15	T.		5.37
West Milford	West Fork		.45	.47							.32	.20	.05		.95	.22		.14	.32	.88			.51	.27				.14	.32	.58	.15		5.87
Weston [2]	do			1.10	.08						.24	.19	.04		.28	.78			.64	.05	.88		.56	T.	.20	T.			.23	.55	.45		4.38
Wheeling (Dam 12)[2]	Ohio			.88	.03						.39	.63	.10		.63	.04		.04	.38		.50		.17	T.	.02				.15	.23	.04		5.97
Southern Division																																	6.27
Alderson	Greenbrier			.85							T.			.33	.68				.25	T	T.	.70	.42	.15				.45	.15	T.			4.23
Arbovale	do		.90	T.							.11				.68	.06			.08	.16	.62		T.	64	T.	.06			.50	.20			3.98
Athens	New			.49							.01				1.13	.02			.06	.03	.66		.12	T.	T.	T.		T.	.24	*	.10		4 01
Bluefield	New			.68		.05					.01			.10	.91	.06			.01		.72	.08	.02		.10	.02			.35	.25	.05		2 86
Camden-on-Gauley [2]	Gauley			1.18	.02						.14				50	1.11				18	1 10		.45		.03				.36	.60	.58		3.42
Charleston	Gr. Kanawha			1.89						.35		.03	.11		.67	.58		.33	.14	.41		.34	T	T.			.09	.67	.35	T.		6.25
Charleston (Airport)[4]	do		1.35	.32						.38	.10	.03		.32	.88			.07	.36	.49		.41	.01	.01			.11	.28	.64	.03		5.96
Clay	Elk			.95	.15						.33	.19			.40	.84			.38	.05	.61		28	T.	.12				.13	.38	.69		5.79
Flat Top [4]	New																																5.50
Gary [2]	Big Sandy			.73							T.			T.	.50	1.00			.34	.23	.56		.20	.03	.05				.32	.15	.13		4.24
Greenbottom †	Ohio		.51	.85						.41	.29		.39	.13		.81				.66		.26						.58	.19	.31	.04		5.43
Hinton [2]	New			.52											.25	.91			.16	.08	.45		.32	08	T.				.28	.19	.12		3.36
Hogsett [2]	Ohio			1.74							.50	.50	.10		.35	.54			.25	.26	.15		.57	T.	.03				.15	.55	.13		5.82
Huntington	do	.02	.70	.70						.57	.14	.16	.05	.10	.65			.02	.33	.43		.45	.19	T.	T.		.16	.17	.19				5.03
Kayford [2]	Gr. Kanawha			1.75											.60	.90																	5.93
Lewishurg	Greenbrier																					1.38		T.						1.30			
Logan [2]	Guyandot			1.59	T						.35	.02	T.		.70	.71			.20	.22	.43		.53		T.				.23	.47	.38		5.83
London Locks[2]†	Gr. Kanawha			2.41	.06						.33	T	.02		.42	.89			.13	.02	.61		.66		.02				.17	.63	.82		7.19
Madison [2]	Coal																																
Oak Hill [2]	New		1.41							.07	.10			.25	1.40	.01		.10	.10	.65		.51		.02	.10		.26	.08	.30				5.36
Pineville [2]	Guyandot																																
Point Pleasant [2]	Ohio		T.	1.42						.53	.90	.18		.51	.36	T	T.	.24	.20	.39		T.	T.					T.	1.03	.10			5.86
Princeton [2]	New		.48	.10									.20	.85			.18	.40	.45		.10	.05	.10			.15	.13	.04	.01			3.24
Rainelle	Greenbrier		.22	1.26						.02			.05	1.23	.14		.24	.23	.76	.17	.12	.71	.12	.04		.39	.08	.63	.87	.37			7.65
Ravenswood [2]	Ohio			1.18						.36	.45	.15		.32	.41			.23	.18	.40		.39	T.					.18	.32	.18			4.75
Richwood [2]	Gauley			.56						.18																		.27	.86	.62			

Continued on next page.

Daily Precipitation for November 1945—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier																																
Spencer[2]	Litl.Kanawha			1.18							.41	.13	.05		.54	.52			.47	.28	.38		.37	.05	.05	.03			.09	.59	.34		5.48
Summersville[2]	Gauley			1.60							.17				.47	1.00			.25	.26	.66		.56	.04					.22	.35	.35		5.93
Sutton	Elk		.62	.84							.37	.06			1.22	.26		.06	.32	.68			.65	.10	.10			.08	.22	1.36	.37		7.31
Union[2]	New			.40								.15			.15	.95			.25		.73		.05						.25	.10	.05		3.08
Wayne[2]	Twelvepole	.01		1.69							.46	.28	.06	T.	.36	.47		T.	.28	.08	.43	.60		T.	.02				.24	.20	.08		5.26
Webster Springs	Elk																																
White Sulp'r Spgs.	Greenbrier		T.	.69							.21				.90	.13		T.	.24	.63	.06	.09	.25	.16				T.	.48	.01	T.		3.82
Williamson[2]	Big Sandy			1.23							.43				.75	.62				.11	.33		.50	.08						.25	.55		4.71
Winfield Locks[2]†	Gr. Kanawha	T.		1.35							.37	.11	.07		.40	.56			.32	.08	.37		.41	T.	.01				.18	.50	.28		5.01

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, Mcklechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest Clover Lick; Spruce Knob, Circleville, Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for November 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	69	67	56	40	52	66	70	68	69	53	53	69	70	50	35	49	56	52	47	44	50	48	30	26	35	38	48	42	38	30		50.7
	Minimum	41	39	38	22	16	54	28	21	42	36	34	38	47	31	27	19	26	42	25	26	12	28	16	16	15	5	11	31	29	26		28.0
Beckley	Maximum	73	71	*55*	*51*	59	72	72	70	70	50	65	72	73	*51*	44	51	53	59	54	50	50	39	24	38	46	55	43	40	33	*55*		53.9
	Minimum	54	55	51	36	22	30	40	41	44	41	40	44	51	44	21	22	25	42	38	33	33	23	20	18	20	24	26	31	28	28		34.2
Bluefield	Maximum	73	71	68	*46*	56	70	69	68	70	68	*67*	70	70	68	40	56	*66*	*55*	58	51	49	51	*35*	*32*	*36*	52	48	43	36	32		55.8
	Minimum	52	58	44	25	*28*	43	52	44	58	49	*48*	44	59	38	28	24	39	*42*	42	35	40	*30*	20	20	*29*	26	36	30	28	28		37.8
Brandywine	Maximum	74	72	70	49	60	75	76	73	72	61	60	72	75	60	53	60	62	61	55	50	52	50	48	40	50	48	47	44	40	38		58.2
	Minimum	38	39	42	25	10	27	29	30	40	35	33	38	44	35	27	15	25	38	21	21	10	30	17	14	19	11	12	32	26	27		27.0
Buckhannon	Maximum	74	70	65	51	56	68	73	71	70	55	69	71	72	56	42	43	56	56	52	49	56	53	33	33	33	39	46	51	51	41	36	55.3
	Minimum	58	60	52	*22*	*20*	*37*	*40*	37	47	40	39	47	52	37	33	23	34	38	33	34	21	31	20	21	31	21	23	32	32	31		34.9
Cairo	Maximum	80	81	68	51	64	76	78	78	78	60	64	71	72	58	47	58	59	59	59	53	58	58	36	36	46	52	54	55	48	40		59.9
	Minimum	42	51	45	22	21	30	40	39	56	42	40	50	49	43	32	22	30	49	32	31	22	33	26	25	25	18	22	31	36	38		34.6
Charleston (Airport)	Maximum	80	71	60	46	68	76	78	78	71	48	73	80	73	50	46	61	59	67	57	53	58	43	29	41	48	55	58	44	39	37		58.2
	Minimum	52	54	30	24	24	36	43	41	48	42	43	48	49	39	26	24	34	36	36	30	25	29	22	28	29	19	28	32	34	34		34.6
Clarksburg[3]	Maximum	76	69	57	56	57	70	70	71	70	45	67	73	72	49	47	53	54	55	46	44	57	35	28	34	42	42	47	53	37	32		53.6
	Minimum	40	40	56	23	21	28	33	35	37	41	39	44	47	47	35	25	25	46	33	35	23	24	24	22	27	19	19	23	32	32		32.5
Cranberry Glades	Maximum	70	64	54	*35*	56	66	68	66	65	56	48	67	65	56	33	52	54	56	48	49	42	42	26	32	42	48	33	38	33	29		49.8
	Minimum	39	41	35	*25*	13	30	33	28	48	42	38	37	52	32	24	15	25	31	23	28	18	26	14	14	18	8	18	30	27	25		27.8
Elkins	Maximum	77	70	56	38	58	71	78	73	71	48	66	72	70	49	37	58	56	56	52	45	52	50	23	37	41	49	47	46	34	32		53.8
	Minimum	50	56	36	21	20	32	36	34	48	40	44	45	49	33	24	21	30	30	29	24	18	23	19	21	27	17	20	32	30	28		31.2
Fairmont[3]	Maximum																																
	Minimum																																
Flat Top	Maximum																																
	Miuimum																																
Gary[3]	Maximum	79	76	57	*54*	64	77	76	75	74	77	76	81	78	49	49	62	59	64	60	57	58	45	28	40	50	59	54	46	36	35		59.8
	Miuimum	42	47	54	30	23	29	32	34	36	48	50	45	45	49	31	22	23	31	36	39	27	28	23	23	22	22	23	32	33	34		33.5
Glenville	Maximum	80	81	79	45	65	77	79	78	77	56	78	79	78	55	48	72	55	62	59	52	59	57	36	36	48	53	55	50	44	39		61.1
	Miuimum	47	49	42	24	22	30	37	36	53	44	45	43	50	43	34	22	31	48	34	35	22	34	24	25	30	18	22	32	35	32		34.8
Grafton	Maximum	75	79	63	46	60	75	77	78	72	71	70	75	75	70	42	58	58	57	58	52	57	38	26	31	40	49	49	51	51	38		58.0
	Minimum	40	50	40	23	20	29	35	35	44	39	38	47	50	39	35	24	32	46	33	34	25	33	23	23	30	21	26	35	35	32		33.9
Hamlin	Maximum	81	71	51	46	70	78	79	78	69	59	72	81	73	*50*	49	62	58	63	57	52	58	36	*31*	44	50	54	57	44	38	35		58.2
	Minimum	49	50	43	20	21	29	39	37	43	40	40	46	50	46	26	19	31	39	32	34	21	31	20	23	23	17	24	28	33	32		32.9
Huntington	Maximum	81	76	63	50	70	79	77	79	69	52	62	79	72	52	51	63	59	65	57	54	55	50	35	43	52	55	57	54	44	40		59.8
	Miuimum	51	63	46	27	28	39	48	55	52	42	41	44	52	41	31	27	43	47	40	38	28	33	25	27	29	25	31	37	35	36		38.7
Logan[3]	Maximum	83	73	57	57	70	76	79	77	72	67	67	80	78	*54*	52	62	77	77	62	58	60	43	30	56	56	58	63	45	39	37		62.2
	Minimum	43	53	56	35	35	36	36	43	*43*	47	44	44	54	50	32	27	27	40	40	*40*	29	30	28	25	28	28	28	36	34	35		37.5
Madison[3]	Maximum																																
	Minimum																																
Mannington	Maximum	75	71	65	46	60	72	75	72	69	55	65	71	70	55	43	55	54	55	52	47	58	53	32	33	40	45	50	53	47	37		55.8
	Minimum	32	47	43	19	18	26	32	34	43	40	38	47	46	40	34	20	28	45	28	34	18	32	21	21	27	16	18	31	35	31		31.5
Martinsburg	Maximum	65	68	63	47	57	73	72	72	76	58	44	54	72	54	48	59	61	64	48	46	46	48	36	38	43	45	46	42	40	38		54.1
	Minimum	47	46	45	33	24	37	37	37	48	40	39	44	44	39	37	35	37	34	32	28	20	32	22	21	29	21	21	40	37	32		34.6
Morgantown	Maximum	73	69	62	44	57	71	74	70	69	54	69	71	70	50	42	55	54	55	50	44	58	55	30	30	40	47	55	58	45	35		55.2
	Minimum	36	58	40	24	23	47	54	55	53	37	38	55	49	37	32	30	44	39	37	31	25	28	20	20	28	20	30	39	32	29		36.3
New Martinsville	Maximum	76	76	64	46	60	74	75	76	67	49	59	67	70	51	48	57	55	50	51	46	59	51	30	35	41	47	51	53	45	38		55.6
	Minimum	36	60	42	23	22	33	43	43	47	38	39	50	50	41	34	25	36	39	33	35	24	29	24	24	30	23	24	35	36	32		35.0
Parkersburg	Maximum	77	71	61	44	65	74	74	74	66	45	63	71	70	50	47	57	57	56	52	46	56	41	29	38	42	47	54	48	42	36		55.1
	Minimum	46	59	34	26	27	43	58	60	45	39	39	51	50	38	32	29	48	40	40	33	30	27	24	28	31	26	30	40	36	34		38.2
Petersburg	Maximum	70	75	63	45	64	76	80	75	77	57	48	72	76	54	47	59	64	64	49	50	50	47	33	41	43	48	48	43	42	38		56.6
	Minimum	47	44	42	23	20	34	38	37	55	40	40	42	47	40	34	32	35	31	31	25	20	80	23	26	29	19	18	34	35	32		33.4
Pickens	Maximum	71	65	54	40	44	70	64	70	64	45	61	68	66	44	34	49	51	52	38	40	45	35	22	28	35	34	45	40	32	30		47.9
	Minimum	43	47	30	14	9	30	34	34	42	30	30	41	35	23	25	11	16	30	22	25	17	17	18	16	17	7	15	21	20	18		24.6
Point Pleasant	Maximum	78	75	65	53	65	73	75	76	73	*57*	61	74	72	53	46	58	58	59	57	49	55	55	50	36	41	43	48	*53*	54	40		57.9
	Minimum	47	55	45	26	29	41	49	55	57	41	40	53	*53*	43	30	28	45	49	39	37	29	34	20	27	29	23	29	39	*39*	35		38.9
Rainelle	Maximum	74	69	57	40	60	70	73	66	69	55	60	70	72	52	41	57	54	61	51	54	47	46	31	36	45	56	38	39	31	31		53.3
	Minimum	40	40	38	25	17	25	33	30	45	43	41	49	47	34	26	16	26	*48*	27	32	22	23	18	18	20	16	27	34	19	27		30.4
Spencer[3]	Maximum	79	70	49	44	65	75	77	75	68	*51*	69	75	72	*55*	46	59	59	60	54	49	57	39	28	39	45	50	54	46	39	36		56.1
	Minimum	47	48	44	21	21	33	45	43	51	41	39	47	55	46	31	22	40	46	33	35	23	27	22	21	29	18	28	33	32	32		35.1
Summersville[3]	Maximum	78	68	*52*	54	61	58	75	60	71	47	65	76	71	47	*48*	58	55	77	71	69	*63*	41	*29*	35	53	42	47	42	33	38		56.0
	Minimum	43	52	39	23	17	23	26	31	28	30	39	38	39	43	27	16	18	30	32	36	35	29	15	18	20	17	16	25	25	28		28.6
Sutton	Maximum	80	80	70	60	64	72	75	75	76	76	70	73	74	74	56	57	57	61	61	55	57	57	46	40	42	48	54	54	48	41		61.6
	Minimum	50	55	45	25	21	30	37	36	52	41	42	41	52	40	35	23	32	50	33	36	23	34	24	25	32	19	23	31	32	32		35.1
Wardensville[3]	Maximum	69	65	62	*55*	58	73	72	76	76	48	49	67	74	51	*48*	59	61	67	53	47	57	47	32	40	41	45	47	42	38	39		55.4
	Minimum	50	41	55	33	18	27	37	36	44	45	39	41	42	48	32	25	30	39	28	35	17	21	20	22	22	17	17	22	34	35		32.4
Weston	Maximum	81	71	59	45	64	75	79	78	71	48	72	76	72	52	46	64	62	60	58	55	60	40	30	40	43	52	58	56	39	38		58.1
	Minimum	50	68	57	26	29	35	40	40	60	44	42	49	66	49	35	25	55	50	40	38	22	35	25	24	35	20	24	36	37	33		39.6
Wheeling[3]	Maximum	72	68	51	41	59	73	70	74	62	47	60	68	68	49	46	54	56	58	53	45	43	54	50	30	40	39	46	50	53	45	36	53.5
	Minimum	32	66	45	26	26	35	34	48	53	40	38	43	55	46	36	33	34	45	34	35	28	28	23	23	29	24	23	25	36	33		36.0
Williamson[3]	Maximum	82	75	58	*55*	73	80	81	79	74	49	76	85	80	52	53	66	69	69	63	60	61	46	30	47	56	61	58	45	40	37		61.9
	Minimum	47	52	53	29	27	34	35	40	42	47	43	49	52	50	34	25	26	37	41	36	29	29	27	26	29	28	27	33	34	35		36.5

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—1-16-46—925)

1.05
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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

C. L. WILSON, Acting Section Director
PARKERSBURG, W. VA.

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VOL. LIII DECEMBER 1945 No. 12

GENERAL SUMMARY

The past month was our sixth coldest of record and the coldest December since 1935. The mean temperature of 28.9° was 5.6° below normal. The average at every station was below its normal. The period from 11th to 24th was very cold, while the first decade and the last week of the month had moderate temperature.

Zero or lower readings were reported from one station on the 13th, 14th, and 15th; from 17 stations on the 16th; 6 on the 17th; 5 on the 18th; 1 on the 21st; 2 on the 22d; 11 on the 23d; and 5 on the 24th.

It was also a rather dry month, the average precipitation of 2.57 inches being 0.71 inch below normal. However, snowfall was much above normal and was especially so in the southern division. The precipitation was below normal at all stations except one in Lewis County and a few located in the extreme eastern part of the northeastern panhandle division. The greatest monthly total snowfall was 34.0 inches at Rainelle. The greatest depth of snow on the ground at any time was 19.0 inches at Pickens No. 2 on the 21st. The greatest number of snow-lying days was 31 at Bayard, Cranberry Glades, Pickens, Pickens No. 2, Spruce Knob and Thomas. There were no damaging storms reported. Difficulties were experienced due to icy road conditions on the 6th and 20th.

Farm work was on winter routine with most livestock on dry feed throughout the month. Winter grains were mostly unprotected by snow cover during the freezing periods with the result that there was some damage by heaving. Trees and bushes remained fully dormant and were in good condition at the close.

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 28.9°, or 5.6° below the normal. The mean for the northeastern panhandle division was 27.6°; for the northern division, 28.8°; and for the southern division, 29.6°. The highest monthly mean was 34.0° at Williamson and the lowest, 22.7° at Brandonville. The highest temperature was 62° at Petersburg and Williamson on the 9th and the lowest, −10° at Wellsburg on the 23d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 126 stations, was 2.57 inches, or 0.71 inch below the normal. In the northeastern panhandle division, the average was 2.19 inches; in the northern division, 2.65 inches; and in the southern division, 2.64 inches. The greatest monthly precipitation was 4.70 inches at Harpers Ferry, and the least, 1.08 inches at Spruce Knob. The greatest amount in any 24 consecutive hours was 1.50 inches at Harpers Ferry on the 5-6th. The average monthly snowfall was 11.3 inches, or 4.7 inches above the normal. The greatest monthly snowfall was 34.0 inches at Rainelle. The average number of days with 0.01 inch or more of precipitation was 13.2.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	4	2	2	1	1	5	4	1				1	2										1	4	2		4	7	3	3
Frosts killing																															
Gales				1					2	3	1		1		3	11	3	2	4	5	7			1	6	6	1				2
Hail					1																										
Halos, lunar															1	1						1									
Halos, solar		1	1																												
Sleet	3			1	24	15	1			2			3	8	1	1				1				6	12	2		4	2		3
Thunderstorms																															

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.54	23	29.48	30	8.4	23	ne.	4	81	65	73	27	1131
Columbus, Ohio	30.59	23	29.45	25	10.1	29	sw.	26	87	74	82	30	1234
Elkins	30.56	23	29.47	31	7.4	30	w.	16	91	78	89	25	1198
Huntington Airp't.	30.56	23	29.49	25	.....	25	sw.	19	85	70	77	....	1062
Parkersburg	30.59	23	29.47	25	6.8	26	w.	15	78	66	73	26	1091
Petersburg, W. Va.	30.57	23	29.46	31	.....	37	w.	21	80	59	73	....	.....
Pittsburgh, Pa	30.59	23	29.43	30	10.9	34	ne.	25	83	67	77	32	1110

COMPARATIVE DATA FOR DECEMBER

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	.....	..	..	..	..
1892	34.1	72	−10	2.44	2.54	2.59	2.91	.....	8	..	..	..
1893	37.1	76	7	.60	2.40	1.54	2.05	.....	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	.....	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	.....	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	.....	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	5.84	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	24.3	67	−37	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	43.1	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	83	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	1.20	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
1941	39.3	74	2	2.38	2.08	2.40	2.24	1.0	9	7	9	15
1942	31.6	75	−21	3.58	5.80	5.76	5.42	13.2	15	4	8	19
1943	32.1	66	−15	1.20	1.92	2.30	1.96	3.4	8	10	7	14
1944	29.4	63	−15	3.11	5.50	4.15	4.63	23.2	13	6	6	19
1945	28.9	62	−10	2.19	2.65	2.64	2.57	11.3	13	6	7	18
Period	34.5	83	−37	2.49	3.52	3.25	3.28	6.6	11	9	6	16

Climatological Data for December 1945

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	42	24.0	−4.1	50	9	− 4	24	2.19	−1.65	0.35	14	18.0	16	5	9	17	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	29	25.6	−8.6	55	9	− 6	23	2.08	−0.02	0.65	6	.....	9	12	2	17	s.	E. L. Keister
Great Cacapon	Morgan	500	1	27.4	.....	51	4†	− 2	14†	2.36	.....	0.80	5	.....	7	6	8	17	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	56	.....	....	.....	.....	.....	.....	4.70	+2.09	1.50	6	10.4	14	....		....		Miss Eleanor White
Inwood	Berkeley	569	12	29.0	.....	60	9	− 2	24	2.95	.....	1.18	6	8.0	13	15	3	13	w.	H. W. Prettyman
Kearneysville	Jefferson	548	15	30.2	−5.1	60	9	3	24	3.39	+0.98	1.28	6	.....	16	7	7	17	w.	University Exper. Station
Martinsburg	Berkeley	435	53	28.3	−5.7	55	8	− 2	24	3.03	+1.03	0.92	6	6.6	14	7	6	18	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	11	29.0	−3.6	61	9	− 2	22	1.75	−0.31	0.48	7	4.0	8	5	10	16	w.	R. E. Saville
Petersburg	Grant	1,029	6	29.6	....	62	9	5	24	1.29	.....	0.34	25	6.3	13	4	8	19	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	31	28.6	−4.4	59	9	5	24	1.96	−0.45	0.66	6	14.3	12	6	7	18	nw.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	13	.....	.....	.....	.....	.....	.....	2.28	−0.96	0.64	11†	25.5	10	3	5	23	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	27	28.2	−5.5	58	9	2	23	3.10	+1.36	0.93	6	4.7	12	11	5	15	n.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	21	.....	.....	.....	.....	.....	.....	2.65	−0.35	0.86	6	8.7	15	2	10	19	w.	L. Esle Bond
Benson	Harrison	1,080	20	30.6	−5.6	57	9	0	16	2.86	−0.63	1.04	6	12.0	11	7	7	17	.....	K. D. Marts
Bens Run	Pleasants	652	44	30.0	−4.8	52	9	1	16	2.81	−0.75	1.35	6	9.5	11	14	5	12	....	Mrs. C. W. Rea
Brandonville	Preston	1,798	4	22.7	.....	49	30	− 7	16	4.11	.....	0.96	20	20.7	13	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	21	30.6	−6.0	60	9	3	16	1.46	−1.86	0.31	31	11.2	14	4	11	16	ne.	M. D. Hawkins
Buckhannon	Upshur	680	39	30.4	−4.3	57	26	− 3	17	3.20	−0.25	1.40	6	6.6	16	2	9	20	....	Ross Bonar
Cairo, 3 miles S	Ritchie	3,250	....	28.6	.....	50	9	− 2	16	1.83	.....	0.64	10	24.5	11	5	9	17	w.	Enreka Pipe Line Co.
Canaan Valley	Tucker	1,015	22	27.4	−7.8	54	9	2	16†	2.27	−0.81	0.65	6	9.5	12	7	3	21	w.	George B. Thompson
Clarksburg	Harrison	640	44	30.8	−4.5	56	9†	− 1	24	2.73	−0.74	1.05	6	8.5	13	4	5	22	.....	Clarksburg Water Board
Creston	Wirt	826	23	28.2	.....	56	9	3	17	2.82	−1.10	0.40	6†	9.1	14	6	3	22	sw.	J. L. Ledsome
Dam 10 Mon. R	Monongalia	655	29	..	.....	.....	.....	.....	.....	2.16	−0.12	0.56	6	7.1	12	....	..	....	.....	Lockmaster
Dam 13 O. R	Marshall	882	23	..	.....	.....	.....	.....	.....	2.03	−1.10	0.65	6	9.5	11	....	..	....	.....	Lockmaster
Dam 15 Mon. R	Marion	600	28	.....	.....	.....	.....	.....	.....	2.37	−0.27	1.15	6	4.5	11	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	28	.....	.....	.....	.....	.....	.....	2.45	−0.15	1.21	6	.....	12	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	615	35	.....	.....	.....	.....	.....	.....	3.04	−0.09	1.00	6	7.0	12	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K.)	Wirt	1,927	46	26.3	−5.4	54	9	0	24	1.77	−1.69	0.41	31	20.2	19	3	6	22	w.	U. S. Weather Bureau
Elkins	Randolph	883	53	29.4	−4.6	57	10	0	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Monongahela Power Co
Fairmont	Marion	738	57	32.3	−3.6	59	9	3	23	3.25	−0.68	0.83	6	6.5	16	0	13	18	w.	Howard R. Brannon
Glenville	Gilmer	1,050	51	30.6	−3.6	56	10	2	16	2.50	−0.58	0.68	6	7.7	11	11	1	19	.....	L. W. Clayton
Grafton	Taylor	760	1	.....	.....	.....	.....	.....	.....	2.58	.....	0.70	6	8.3	11	7	24	0	.....	Roy Morrison
Grantsville	Calhoun	1,188	5	28.0	.....	55	25	0	16	2.33	.....	0.61	5	11.9	18	3	0	28	.....	U. S. Airway Station
Harrison County Airport	Harrison	809	10	.....	.....	.....	.....	.....	.....	3.69	.....	0.95	6	10.1	15	2	14	15	w.	L. G. McIntyre
Hastings	Wetzel	1,020	21	.....	.....	.....	.....	.....	.....	2.62	−0.46	0.89	6	5.8	16	.....	.....	.....	.....	Mrs. Garnet Golden
Jane Lew	Lewis	974	43	28.3	−5.3	54	9	− 4	23	2.93	−0.64	0.77	6	12.8	19	5	5	21	w.	James A. Morgan
Mannington, 1½ mi. NW	Marion	750	4	29.3	..	55	9	0	16†	2.91	.....	1.23	6	9.6	11	3	6	22	w.	L. A. Crummrine
Middlebourne, 2¾ mi. SE	Tyler	1,300	69	29.0	−5.4	56	9	− 1	16	2.27	−0.83	0.41	25	16.1	16	9	5	17	w.	State Dairy Farm
Morgantown, 2 miles N	Monongalia	671	50	26.9	−4.8	55	9	− 5	16	2.15	−0.61	0.82	25	12.3	12	8	2	21	nw.	C. O. Valentine
New Cumberland	Hancock	637	52	30.0	−5.3	55	9	1	16	2.85	−0.71	1.07	6	10.4	12	7	6	18	sw.	Dr. Z. W. Ankrom
New Martinsville	Wetzel	615	60	29.8	−5.4	54	9	3	16	2.69	−0.34	0.99	6	12.4	17	4	6	21	sw.	Section Center
Parkersburg	Wood	649	46	27.8	−4.5	57	9	2	24	2.72	−1.33	0.41	6	19.5	17	.....	.....	.....	nw.	D. A. Oliver
Parsons	Tucker	1,300	52	.....	.. ..	.....	.....	.....	.....	2.10	−1.60	0.55	6	11.1	18	.....	.....	.....	.....	Mrs. Maxine Leach
Philippi	Barbour	2,760	55	.....	...	.....	.....	.....	.....	4.41	−0.97	0.78	25	.....	18	2	9	20	w.	Dr. J. L. Cunningham
Pickens	Randolph	1,050	21	.....	.....	.....	.....	.....	.....	2.78	−0.59	0.95	6	9.3	15	5	9	17	.....	Miss Mary A. Conrad
Roanoke	Lewis	1,375	60	29.2	.....	59	25	4	16	3.07	−1.31	0.70	20	23.7	13	5	1	25	nw.	W. H. Bolyard
Rowlesburg	Preston	625	34	.. ..	....	.....	.....	.....	.....	2.70	−0.64	1.17	6	6.3	11	....	..	.....	.....	Edward Hughes
Saint Marys	Pleasants	2,950	16	.. ..	.....	.....	.....	.....	.....	2.58	−1.27	0.82	6	21.0	17	.....	.....	.....	.....	W. Sleeman
Thomas	Tucker	1,011	21	31.3	−6.2	57	9†	2	16	3.76	+0.54	1.02	6	8.7	13	6	8	17	nw.	Roscoe H. Jackson
Valley Chapel	Lewis	668	52	27.7	−4.7	53	9	−10	23	1.78	−1.13	0.71	25	6.0	7	4	6	21	.....	Department of Justice
Wellsburg, 3 miles NE	Brooke	979	19	.....	.....	.....	.....	.....	.....	2.84	−0.24	0.85	6	5.7	14	..	.....	.....	.....	George P. Pfister
West Milford	Harrison	1,026	54	31.0	−4.8	58	9	5	16	3.11	−0.52	0.82	6	9.7	20	0	16	15	.....	Scotland G. Highland
Weston	Lewis	659	61	28.2	−4.4	54	9	0	16	2.14	−0.84	0.60	26	10.0	12	4	1	26	sw.	J. Arthur Henry
Southern Division																				Lockmaster
Alderson	Greenbrier	1,570	....	30.2	....	56	11	− 8	17	1.74	.....	0.37	19	9.2	8	0	15	16	.....	John E. Foster
Arbovale	Pocahontas	2,727	22	.....	.....	.....	.....	.....	.....	1.18	−1.98	0.33	6	10.0	10	7	7	17	w.	H. S. Sutton
Athens	Mercer	2,600	5	28.3	...	53	8†	5	16	3.53	.....	1.04	5	14.7	13	7	9	15	nw.	Concord College
Bluefield	Mercer	2,558	50	29.0	−7.9	50	9†	7	17	2.99	+0.11	.....	.....	25.7	16	10	7	14	. ...	Norfolk & Western Ry.
Charleston	Kanawha	615	58	31.1	−8.5	60	9†	6	16	2.37	−1.27	0.56	6	13.2	14	8	3	20	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	7	31.4	.....	60	25	6	16†	2.29	.....	0.71	5	10.6	15	1	11	19	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	1	23.8	.. ..	52	8	− 1	16	4.32	.....	0.89	25	31.7	19	4	10	17	w.	Department of Justice
Flat Top	Mercer	3,235	7	25.0	.....	54	8	2	16	3.74	.....	1.00	5	26.0	16	6	5	20	nw.	U. S. Airway Station
Gary	McDowell	1,426	28	32.0	−5.8	59	8†	3	20	2.70	−0.67	0.85	5	5.5	12	....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State Forest Nursery
Hamlin	Lincoln	641	2	30.4	.....	60	25	3	17	2.27	.....	0.60	6	12.3	11	4	4	23	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	56	29.4	−6.4	56	29	3	17	2.85	−0.33	0.49	5	7.7	15	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	49	33.0	−2.7	61	25	5	16	2.19	−1.18	0.89	5	14.2	16	3	8	20	nw.	H. N. Robinson
Kayford	Kanawha	1,335	28	....	.....	.....	.....	.....	.....	2.50	−1.41	.....	.....	12.0	14	....	..	...	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	51	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	32	33.8	−5.3	59	24	8	16	2.56	−1.54	0.62	5	10.0	17	6	6	19	.....	J. W. Ruff
London Locks	Kanawha	623	10	33.5	.....	58	30	11	16	2.55	.....	0.38	6	5.7	17	....	.....	....	w.	Lockmaster
Madison	Boone	675	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	3	28.4	.....	60	8	4	16	2.63	.....	0.40	5†	11.8	12	6	1	24	.....	M. H. Martin
Pineville	Wyoming	1,350	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	55	31.6	−4.2	56	25	3	16	2.93	−0.57	1.35	6	11.2	14	7	3	21	w.	E. C. Winger
Rainelle	Greenbrier	2,424	14	25.8	−7.4	51	9	− 3	17	3.49	−0.04	0.59	5	34.0	17	5	4	22	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	30	29.0	−8.9	54	10	1	21	1.92	−1.40	1.06	6	5.0	10	5	5	21	ne.	Lockmaster
Richwood	Nicholas	2,193	14	26.5	−8.6	48	10†	− 5	17	2.24	−1.25	0.47	4	.....	10	10	4	17	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	42	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Supt., State Forest
Spencer	Roane	789	46	29.2	−7.3	56	9	0	16	2.61	−0.80	0.54	25	10.0	14	2	4	25	.....	A. M. McKown
Summersville	Nicholas	1,900	9	26.1	.....	54	8†	0	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	42	32.0	−3.2	56	9†	1	16	2.68	−1.14	0.42	31	17.0	14	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	41	27.4	−6.6	55	8†	4	12	2.58	−0.34	0.46	4	7.0	11	4	2	25	.....	C. B. King
Webster Springs	Webster	1,500	13	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	31	29.8	−3.3	55	8†	6	12†	2.54	−0.56	0.60	5	6.6	11	0	5	26	w.	Ashford General Hospital
Williamson	Mingo	673	44	34.0	3.6	62	9	9	16†	2.41	−1.37	0.80	5	11.5	13	10	10	11	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	7	30.4	.....	51	8†	5	16†	2.24	.....	0.78	6	12.0	14	6	4	21	nw.	Lockmaster
State averages and extremes			...	**28.9**	**5.6**	**62**	**9**	**−10**	**23**	**2.57**	**−0.71**	**1.50**	**6**	**11.8**	**13**	**6**	**7**	**18**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for December 1945

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	T.	.20		.05	.10	.10				.20	.15	.03	T.	.35		.06		T.	.18		.02	.10	T.		.12	.10		.11			.32	2.19
Brandywine	do.			.04	.14	T.	.65				T.			T	.04					.40						.55			.06		.04	.16	2.08
Brushy Run[2]	do.			T.	.10	.12	.36				T.	T			T.	T.				.28	.04					.17	.22		.06	T.		.07	1.42
Harpers Ferry [2]	do.			.08	T.	.01	1.50	.31				.44			.09					.21	.11					.15	.80		.10	.15	.32	.43	4 70
Inwood	do.			.12	.05	.06	1.18				.15			.02	.06				T.	.40					.35		.06		.13	.15	.06	.24	3.39
Kearneysville	do.			.09	.01	.11	1.28	.03			.14			.03	.10				.06	.35					.55			.05	.16	.05	.30	2.95
Knobly Mountain[2]†	do.			.04	.07		.56	T.				T.		.20						.15	.40					.25			.10	T		.10	1.87
Martinsburg [4]	do.			.12	.01	.31	.92	T.			.04			.03	.01		T.		.04	.30	T						.71			.17	.10	.05	.22	3.03
McNeill†	do.			.06	.12		T.	.48			T.	.08		T.	T.					.26						.40	T.		.11	T.	T.	.24	1.75
Petersburg	do.		T.	.03	.14	.08	.20				.07	T.		.02	.01	T.	T.		.11	.12	T.	T.	T.	T.	T	.34	T.	T.	.03	.01	T	.13	1.29
Piedmont	do.			.02	.04	.03	.66	T.			T				.09		T.			.39	.08		.08			.46		T.	.06	.03	02		1.96
Romney	do.																																
Spruce Knob [2]†	do.			.09	.06	.37					.04	.10	.04		.09	T.	T.			.14	.09			T.					T.			.06	1.08
Stony River Dam [2] †	do.			.29								.64	.06		.08	.06				.24	.64			.08		.08			.11				2.28
Wardensville [2]	do.	.11		12	.07	T.	.93	.03				.15			.01					.42	T.					.03	.80		.20	T.		.23	3.10
Northern Division																																	
Aberdeen†	West Fork	T		.11	.07	.03	.86	.03			.16	.02		T.	.28		.05		T.	.20	.06		.05			.23	T.		.18			.32	2.65
Belington [2]	Tygart	.04		.09	.12	.01	.54	.01	T.			.24	.01		.30	.01	.05	T.		.08	.20	T	T.	.05	T.	.01	.07	T.	15	.01	T.	.20	2.19
Benson †	West Fork			.15			1.04				.13				.20					.22	.16		.05			.39	.05		.22			.25	2 86
Bens Run	Ohio			.07			1.35				.03			.14	.08				.01	.30	.05		.06			.65	.07						2.81
Big Skin Creek†	West Fork			12	*	*	1.01				.19	.01	02		.19	.05			.09	.05		.04	.12					*	.27			.10	2.26
Brandonville [2]	Cheat			28			.68	T.				.02	.01		.44		.02			.26	.96	.02	.01			.87			.16			.38	4.11
Brownsville †	West Fork			.19	.10	.05	.08	.01			.08	.02		.02						.21	.05					.27	.02		.05			.31	1.46
Buckhannon	Tygart	.01		.18	.11	.23	.40	.12			.43	.03		.04	.33		.08		.07	.23	.27		.06	T.		.15	T.		.18		.01	.39	3.32
Cairo	Litl.Kanawha			.05		.12	1.40	.02			03	T.			.20		10			.12	.12		.01	T.	T.	.55	.02	.04	.17	.02	T.	.23	3.20
Canaan Valley	Cheat				T.						.64	.07		06	.16					.12	.34		.03			.04			.08			.17	1.83
Clarksburg [2]	West Fork			.12	.02		.65	.02			T.	.10			.25		T.			.13	.30			T.		.20	.18	T.	.20	T	T.	.10	2.27
Crawford	do.			.19	.13	.10	.55	.04			.15	.01		T	.25	.08			.05	.20	.08		.02				02		.10			.31	2.28
Creston [2]	Litl.Kanawha	.05		.05	.10	T.	1.05	.05	T			T.	T		.20	T.	.02			.14	.32	T.		T		.40	.10	T.	.10			.15	2.73
Dailey [2] †	Tygart	T.	.02		.35	.22	.61	.02	T.		02	.11	T.		.20	T.	.05			.08	.07	T.	07		T.	.06		T.		T.	T.	.09	1.97
Dam 10, Mon. R. [2]†	Monongahela			.11	T.		.40	.18			T.	.04	T		.26		01			.10	.38	T.	T.	.02		.15	.40	02	.14			.11	2 32
Dam 13, O. R. [2]†	Ohio			.08	.01		.56					T.	T.	T.	.26		.01			.11	.10	T.	T.			.10	.39	T	.17			.07	2.03
Dam 15, Mon. R. [2]†	Monongahela			.07			.65	T.				.05			.24	T.	.02			.10	.17	T.	T.	T.		.10	.39	T	.17			.07	2.03
Dam 19, O. R. [2]†	Ohio			.10	T.		1.15	T.							.12		T.			.11	T.		.04			.30	.20		.20	.02	.03	.10	2.37
Dam 20, O. R. [2]†	do.			.10	T.		1.21	.06				.03	T.		.20		T.			.13	T		.04			.23	.15		.15		.02	.13	2.45
Elizabeth (Dam 3) [2]	Litl.Kanawha	.10		.10		.05	1.00								.10					.39	.25		.05			.40	.16		.22			.22	3.04
Elk †	West Fork			*		.54	.50					13			.12					*	.14					*	.25		.40	.20		.28	2.56
Elkins [1] †	Tygart	T.	T.	.05	.10	.19	.01	.01			.18	.03	T.	16	.08	T.	.07	T	.12	.14	.02	T.	.03	T	T.	.05	.02	.02	.08	T.	T.	.41	1.77
Fairmont [2]	Monongahela																																
Glenville [2]	Litl Kanawha	.14		.19	.21		.83	.04			T.	.12	T.		.21		.03			.26	.34	T.	.06	.08		.27	.18		T.	.07		.22	3.25
Grafton	Tygart			14			.68				*	.18			.23		.06			.21	.06					.38			31			.25	2.50
Hackers Creek †	West Fork			.19			.60				.51															.71							
Hall [2]	Tygart	.06	T.	.17	09	T.	.67	T.			T.	.25	.01		.32	T.	.05			.12	.19	T.		.05	T	.11	.03	T.	.16	T.		.15	2.16
Harrison Co. Arpt. [4]	West Fork	T.	T.	.05	.02	.61	T.	T.			.16	.03	.03	.22	.05	.08	T.		.08	.14	.01	T.	.01	T.		.44	.03	.08	.14		T.	15	2.33
Hastings	Ohio			.12			.95				.07	.02	T.		.59		.08		.02	.18	.20		.02	T.		.75	.10		.18	.06		.35	3 69
Horner	West Fork				.03	.10	.90				.10		.05	.03						.10	.45			.20					.10			.30	2.36
Ireland	do.	.54	.26	.14	.09	.19	.30				.12	.25	.06	T.	.30	.12	.08	T.	.09							.30	.19	.07				.31	3.41
Jane Lew	do.			.13	.06	.01	.89	.01			.16	.01		T.	.22		.03		T.	.23	.05		.05			.09	.30		.13			.25	2.62
Jumbrabow St. For. †	Tygart																																
Kanuington	Monongahela			.06		.01	.77	.02			.06	.01		01	.26		.09		.04	.20	.17		.03			.64	.10	.01	.15	.03	T.	.27	2.93
Middlebourne [2]	MiddleIs.Creek	T.		.10			1.23	T.				.03			.19		.08			.14	.14			.03		28	.39	T	.16	T		.14	2.91
Midvale [2] †	Tygart	.12		.07	.17	T.	.57				.11	.32	.09		.34	.03	.17			.14	.21	T.		.03	T.	.05		T.	.19			.30	2.91
Morgantown	Monongahela			.07		.02	.58				.03	.04		.09	.18		.19		.02	.21	.12	T.	.02			.41	.01		.01			.27	2.27
Mt. Clare	West Fork			.13			.80				.18				.10					.15	.10					.36			.22			.25	2.29
New Cumberland	Ohio	T.	T.	.08	T.		.23	T.			T.	.03		.03	.32		.12		.14	.10		T.	.05	T	.11	.82	.03	T.	.02		.07		2.15
New Martinsville	do.			.08		T	1.07	T.			.04	T.	T.	.07	.17	.08	T.		08	19	.09	T				.66	.16		.16	T.		T.	2.85
Parkersburg [1] †	do.		.08	T.		.78	.21				.02	T		.25	T.	.10			.01	21	.01		.05		.07	.47	.01	.05	.11		.17	.06	2.69
Parsons	Cheat			.08	.13	T.	.41	T.			.26	.04	T.	.02	.28		.07		.04	.32	.23	T.	.06	T.		.14	.03		.21	.02	T.	.38	2.72
Philippi [2]	Tygart	.03	T.	.04	.05		.55	.02	T.		T.	.19	.04		.24	T.	.03			.05	.12	.01	T.	.03	T.	.16	.10	.01	.18			.25	2.10
Pickens	do.																																
Roanoke	West Fork	T.	T	.17	.07	.05	.95				.17			.27			.06		.04	.23	.12		.03			.17		.17			.10	.18	2.78
Rockford †	do.	T.		.15	T.	T.	.90	.02			.02	T.	T.				.03			.17	.18		T.		T.	.23	T.		.23			.29	2.22
Rowlesburg [2]	Cheat	.03	T.	T.	.12	T.	.44	T.	T.			.28	T.	T.	.30	T.	T			.20	.70	.08	T.	.14		.14	.26	T.	.18			.20	3.07
Saint Marys [2]	Ohio			.10			1.17					.08			.26		.13		.23		06				.59	.17		.23			.18	2.70
Salem	West Fork					.09	1.04				.06	.03			.20		.02			.26		.06				.48	.04		.24		T.	.26	2.78
Simnston	do.			.52		.23	T.					T.			.18		.08			.24	.12		.06			.65			.02		T.	T.	2.10
Thomas [2]	Cheat	.10		.05	.10	.24	.32													.10	.30	.10	T.	.10		.05	.10		.20			.20	2.58
Valley Chapel	West Fork	T.		.12	.08	T.	1.02	T			.10	T.		.02	.20		T		T.	.21	.48		.05	T.		.37	.60		.22			.29	3.76
Valley Head [2]	Tygart	T		.12	.12	.02	.55	.02	T.		T.	.23	.01		.17	.01	.04			.15	.18	T.	T.	.05	T.	.08	.48	T	.05	T.		.15	2.43
Vandalia [1]	West Fork			.16		.19	.64				.13				.28					.30	.10					.10						.39	3.29
Wellsburg (near)	Ohio			.08	T.		.36				T				.31		.06			.06						.71	T.	T.			.20		1.78
West Milford	West Fork	.04		.16	.12		.85	.12			.09				.05		.02			.16	.19					.48	.09		.29			18	2.84
Weston [2]	do.	.09		.22	.10	.02	.82	.12				.20	.03		.24	.04	.05	.01		.12	.32	.04		.06		.09	.24	T.	.18	T.	T	.12	3.11
Wheeling (Dam 12) [2]	Ohio			.05	T.		.48	T				T.	T.		.32		.03			.06	.07	T.	T.	T		.34	.60	.04	.10		.01	.04	2.14
Southern Division																																	
Anderson	Greenbrier				T.	.20	.32	T				.10			.25					.37						.15			.05	T.		.30	1.74
Bovale	do.				.10	T.	.33					.10		.08			.06		.06	.20		.02		T.					.20			.03	1.18
Chens	New			T.	.78	1.04					.20	.10			.20				.12	.21	.02				.08	41			.10		.03	.24	3.53
Enefield	New	.10		.02	.70	.80					.02	.06		.06	.02			12	16	.26	.03		.09		.16				.09			.30	2.99
Glenden-on-Gauley [2]	Gauley	.03		.17	.26	.03	.58	.03			.03	.13	.03		.28	.03	.03			.19	.09	.02					.10	.02		.12			.26	2.43
Harleston	Gr. Kanawha	T.		.17	.25	.37	.56	T.			.14	.02	T.		.12		T.			21	.04		01	T.	.05	T.		.18		.19	.06	2.37
Harleston (Airport) [4]	do.	T.	.08	02	.19	.71	T.	T.			10	T.		.05	.07	.02	.03		.16	.12	T.		T.		T.	.28		.20	.01		T.	.25	2.29
Hay	Elk	.11		.22	.25	.08	.62				.15	.15			.30		.13			.25	.12	T.		.08		.15	.04		.13	.04		.12	2.94
Hart Top [4]	New			.17	.38	.96					.40	.01		18	.11	.04			.25	.21	T.					.16	.24		.03	.21		.14	.25	3.74
Henry [2]	Big Sandy	T.		.04	.37	.85	.03				.34				.16		T.			17						.05	.23	06		.09			.31	2 70
Hogsett [2] †	Ohio			.06	.14		.78				T.	.03			.25	T.				.40					*	*			.62				2.28
Huntington	New			.01	.31	.49	.32	.02			.19	.07	T.		.22		05			.40	T	T.				.07	.25	.03		.19		.23	2.85
Ivyford [2]	do.			.05	.10		.86	.05				.03	T.		.15	.02				.22	.03			.02		.28	.10		.20		.02	.06	2.19
Kiswisburg	Gr. Kanawha			.07	.17	.89	.05	.08			.03	T.		.07	.03		.04		.10	.17	T.		T.	.01	.03	.20	T.		.20			.05	2.19
Logan [2]	Greenbrier			*	.75	*	.55				*	.20			*		.04			.17	T.												2.19
London Locks [2] †	Guyandot	.02		.04	.46	.62	.10	T.			.07	.01	.01		.17		.35			.10						*	*						2.50
Madison [2]	Gr. Kanawha	.04		.22	.35	.23	.38	.03			.10	.06	T.		.20		.05		T	.10	.15	T.		.04	.13	03			.23	T.		.33	2.56
Mark Hill [2]	Coal				.48		.18	.60							.13		.03			.21	.09			.02		.07	.09		.18		T.	.25	2.55
Mevville [2]	New			.25	.29	10					.36				.21	.01	.01			.16	.05		.06									.23	2.63
Mount Pleasant [2]	Guyandot																									.40			.26				
Mount Pleasant [2]	Ohio	T.		.08	.04	.02	1.35	T.				.02	T.		.22	T.	.02			.06	.12				.02	.52	.06		.22		T.	.18	2.93
Nanceton [2]	New				20	.78	.53				16	.06	.01		.14		.01			.19	.02				06	.28	.13		.09			.17	2.83
Pinelle	Greenbrier	.04	.01	.14	.25	.59	.01	T.			.20	.12		T.	.24		.05		.03	.44	.08	T.				.49			30		.06	.44	3.49
Stevenswood [2]	Ohio			.08	.03		1.06																										
Thwood [2]	Ganley				.47	.06	.27					.26	.37		.16		.05			.15	.10												1.02

Continued on next page.

Daily Precipitation for December 1945 - Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier																																
Spencer [2]	Litl.Kanawha	.03		.12	.11		.47	.30				.14			.23		T.			.10	.24			.03		54	.10		.17	.03			2.61
Summersville [2]	Gauley																																
Sutton	Elk	.06		.18	.17	.21	.20				.40	.24		.06	T.		.06		.12	.16	.24		T.	T.					.16			.42	2.68
Union [2]	New				.27	.46	.45				.15	.05			.10					.35											.25	2.58
Wayne [2]	Twelvepole			.07	.25	.50	.53					.05			.10		.04			.21	.05			.06		.25			.20			.09	2.40
Webster Springs	Elk																																
White Sulp'r Spgs.	Greenbrier		T.	.03	.43	.60	.02				.15				10				.03	.35					.32		T.	.21		T.	.30	2.54
Williamson [2]	Big Sandy			.04	.48	.80	.05	T.				.05			.14					.15	.04			.07	.04	.04		.20			.29	2.41
Winfield Locks [2]†	Gr. Kanawha	T.		.11	.17	T.	.78	.01				.01			.21		.03			.24	.02	T.			.24	.08		.24	.01	T.	.09	2.24

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for December 1945

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	28	37	38	38	32	35	35	47	50	44	18	18	28	31	25	24	16	28	28	20	18	28	23	35	40	38	39	42	40	46	41	32.3
	Minimum	18	5	30	29	23	23	28	25	17	17	13	6	1	18	16	− 2	2	9	19	8	7	8	− 2	− 4	24	23	21	18	28	19	25	15.7
Beckley	Maximum																																
	Minimum																																
Bluefield	Maximum	30	41	44	42	33	33	42	49	50	35	22	24	29	36	28	28	28	24	24	24	30	30	32	30	50	34	42	42	43	48	35	34.9
	Minimum	28	21	29	32	29	29	32	28	20	30	13	11	15	28	21	9	7	18	22	9	19	17	23	23	28	26	26	33	34	30	29	23.2
Brandywine	Maximum	40	47	48	47	27	36	44	54	55	51	22	26	27	37	32	20	28	32	35	30	28	40	30	32	40	35	44	40	46	40	41	37.2
	Minimum	24	9	29	27	19	19	24	15	19	21	12	0	1	12	17	4	13	3	12	5	8	8	− 6	− 4	10	25	17	20	24	20	28	14.0
Buckhannon	Maximum	34	43	44	43	38	36	36	48	54	50	26	25	31	36	30	26	24	27	36	26	24	34	27	43	51	49	39	45	45	53	48	37.8
	Minimum	28	18	35	31	28	34	32	24	30	23	18	13	7	24	22	3	8	8	24	12	9	17	11	9	36	28	27	31	35	27	28	21.9
Cairo	Maximum	38	42	45	46	43	35	36	50	55	53	28	30	30	35	33	33	26	28	32	31	26	30	27	39	54	57	41	46	47	54	53	39.5
	Minimum	32	19	37	36	28	31	33	20	24	25	21	15	11	27	22	1	− 3	2	23	15	1	18	− 1	13	34	32	23	31	31	30	33	21.4
Charleston (Airport)	Maximum	37	48	48	40	36	35	46	57	57	41	24	31	36	37	35	22	30	30	34	28	32	40	29	42	60	38	45	47	52	55	42	39.8
	Minimum	26	22	39	36	30	31	26	23	28	22	20	10	18	27	20	6	6	13	16	16	9	22	15	24	39	24	20	35	32	34	28	23.1
Clarksburg [3]	Maximum	32	43	43	37	34	34	34	47	54	29	27	27	32	32	29	22	21	27	28	23	23	27	21	42	51	34	36	38	42	49	33	33.9
	Minimum	30	21	21	34	29	29	32	25	24	27	19	17	11	17	22	2	2	8	16	15	13	13	13	11	17	33	29	29	30	28	32	20.9
Cranberry Glades	Maximum	28	40	37	36	36	37	39	52	51	40	17	14	18	33	24	15	18	26	26	19	25	32	28	24	35	39	41	33	49	40	39	32.0
	Minimum	22	4	30	30	26	30	28	18	18	17	8	9	7	17	9	− 1	2	6	14	5	9	11	7	3	19	24	19	26	28	18	24	15.7
Elkins	Maximum	30	35	42	35	35	34	37	52	54	38	19	19	30	35	27	19	21	25	33	21	22	32	25	37	45	39	42	43	48	49	43	34.4
	Minimum	22	17	32	30	29	31	26	24	23	19	15	2	1	21	8	3	7	7	13	11	9	15	2	0	35	27	27	32	27	26	24	18.2
Fairmont [3]	Maximum	36	46	46	40	32	33	36	48	50	57	30	25	28	33	33	34	17	25	31	25	23	25	22	20	54	54	36	38	44	46	35	35.5
	Minimum	24	23	40	32	28	29	32	28	25	27	20	17	12	32	21	0	4	9	16	15	10	15	11	17	44	32	28	34	34	30	32	23.3
Flat Top	Maximum	27	38	39	33	30	31	38	54	51	37	13	22	34	34	25	13	22	23	26	20	30	31	24	24	40	37	41	33	47	43	36	32.1
	Minimum	17	22	33	26	26	26	28	22	22	12	8	3	13	18	13	2	4	13	6	5	12	18	10	15	24	24	21	30	26	35	18	17.8
Gary [3]	Maximum	35	48	48	39	38	36	48	59	59	35	33	30	37	37	34	25	32	32	36	30	37	41	34	46	57	43	46	46	56	51	36	40.8
	Minimum	32	22	27	35	32	32	33	23	23	33	18	11	12	25	25	10	8	8	15	3	13	22	22	26	28	36	23	23	36	33	34	23.3
Glenville	Maximum	37	45	42	45	40	37	39	56	59	55	35	32	30	37	38	35	34	28	32	34	29	35	29	58	57	55	44	49	48	55	52	42.0
	Minimum	32	23	26	35	32	32	32	33	25	25	22	13	11	27	23	4	9	9	16	15	5	18	3	10	34	31	30	34	34	28	31	22.6
Grafton	Maximum	34	48	43	44	47	48	40	41	50	56	36	26	25	35	31	30	23	28	31	30	23	27	24	44	48	46	40	42	45	52	37	37.9
	Minimum	31	21	34	33	26	32	34	33	26	26	22	20	14	25	22	2	9	10	25	14	11	17	9	8	36	30	28	27	34	29	31	23.2
Hamlin	Maximum	44	49	47	40	33	36	48	58	58	30	26	32	37	33	37	22	23	34	31	28	35	42	30	46	60	35	47	46	54	54	36	39.7
	Minimum	33	20	40	33	29	29	32	18	23	26	19	15	12	24	21	4	3	9	17	14	4	10	10	22	21	34	17	20	30	30	33	21.0
Huntington	Maximum	40	48	47	44	38	36	45	58	59	46	26	26	32	35	36	31	34	30	34	28	32	39	29	38	61	51	43	51	52	52	48	40.9
	Minimum	35	25	43	35	29	29	30	25	30	26	20	13	19	29	24	5	13	15	18	15	10	23	15	21	37	32	23	33	32	35	35	25.0
Logan [3]	Maximum	45	45	46	40	36	37	48	45	55	32	28	30	39	36	37	30	33	34	36	31	39	45	35	59	58	50	47	49	46	57	37	41.5
	Minimum	35	27	42	36	32	32	32	29	32	28	20	13	14	26	27	8	11	12	18	16	16	24	22	28	33	37	25	23	37	37	35	26.0
Madison [3]	Maximum																																
	Minimum																																
Mannington	Maximum	36	44	44	43	38	34	35	49	54	48	27	27	29	34	31	26	23	24	32	28	24	29	25	40	53	47	36	44	46	53	49	37.2
	Minimum	29	15	35	34	26	29	32	23	21	22	18	16	9	25	21	− 1	− 1	− 2	18	15	− 1	14	− 4	5	33	29	27	25	32	27	29	19.4
Martinsburg	Maximum	43	43	46	41	32	37	45	55	55	38	30	29	29	36	35	24	28	29	25	26	27	27	26	30	33	40	39	33	44	38	40	35.6
	Minimum	19	19	35	31	29	31	32	26	25	28	21	21	14	19	17	12	14	13	13	16	15	17	1	− 2	25	32	24	27	23	22	22	20.7
Morgantown	Maximum	35	46	44	41	33	33	34	50	56	44	25	25	29	33	30	25	21	24	31	25	23	26	25	43	50	50	37	45	48	53	47	36.5
	Minimum	28	19	38	31	24	28	31	30	37	22	17	15	14	23	20	− 1	7	9	18	12	10	16	5	6	33	26	26	26	35	33	28	21.5
New Martinsville	Maximum	44	44	45	44	37	36	37	51	55	36	27	30	30	32	33	27	26	22	32	27	25	27	24	37	54	49	40	41	49	51	48	37.4
	Minimum	32	23	38	35	26	31	33	25	25	25	20	19	16	25	18	1	6	4	21	15	10	19	5	13	33	29	28	29	33	33	30	22.6
Parkersburg	Maximum	41	42	46	41	34	36	38	53	54	32	25	30	32	34	33	18	27	25	31	26	24	26	23	40	54	39	39	43	46	52	38	36.2
	Minimum	28	24	39	33	28	32	28	25	32	23	21	17	18	26	15	3	10	10	19	15	12	18	9	17	30	32	28	33	32	37	27	23.5
Petersburg	Maximum	42	45	52	41	32	35	46	58	62	47	30	27	28	37	35	26	28	34	33	27	27	35	29	29	32	42	42	33	47	48	43	37.8
	Minimum	25	18	35	31	26	29	31	24	23	25	20	10	11	22	20	11	13	22	20	16	16	17	7	5	28	31	28	27	23	23	29	21.5
Pickens	Maximum																																
	Minimum																																
Point Pleasant	Maximum	38	44	46	45	41	37	40	50	53	53	29	29	30	35	32	32	29	29	33	27	28	31	27	38	56	54	40	46	46	49	46	39.1
	Minimum	34	22	40	37	31	30	34	22	30	27	20	11	17	27	22	3	10	10	25	15	9	21	10	20	36	32	25	32	30	33	33	24.1
Rainelle	Maximum	28	38	39	35	36	34	42	50	51	39	19	25	23	31	30	19	22	25	30	23	30	37	30	26	37	38	44	38	50	45	38	33.9
	Minimum	26	7	31	31	29	28	29	16	21	18	13	6	3	21	18	1	− 3	− 1	21	9	14	11	7	15	24	27	15	30	32	27	27	17.8
Spencer [3]	Maximum	37	45	45	40	33	34	38	54	56	28	25	27	36	31	32	18	29	32	33	26	34	34	25	44	53	35	42	46	53	48	35	37.0
	Minimum	31	18	30	33	31	29	31	20	24	25	18	9	11	26	21	0	7	7	24	13	4	20	5	16	34	31	21	32	29	31	30	21.3
Summersville [3]	Maximum	31	41	38	34	33	33	40	54	54	38	20	28	32	31	30	18	21	30	32	31	30	38	28	42	47	33	42	32	38	40	40	34.9
	Minimum	31	17	16	30	27	28	27	14	15	16	14	10	3	30	18	2	4	0	15	9	10	12	5	18	20	27	18	17	26	29	28	17.3
Sutton	Maximum	40	46	47	47	45	42	40	54	56	56	34	30	32	32	34	34	28	28	34	34	28	34	34	40	54	54	48	50	53	55	55	41.5
	Minimum	32	20	35	35	32	31	34	28	24	26	20	8	9	26	24	1	6	8	24	14	15	19	10	10	30	25	32	30	34	28	30	22.6
Wardensville [3]	Maximum	43	48	51	38	37	34	42	57	58	33	29	27	27	36	33	24	28	32	30	27	26	29	28	32	40	40	42	34	43	45	42	36.5
	Minimum	29	17	22	34	28	28	28	22	28	23	10	9	17	24	11	6	7	23	16	18	13	2	3	11	26	31	24	29	24	30	19.9
Weston	Maximum	38	45	46	40	34	38	35	52	58	34	28	26	36	35	32	25	29	31	30	22	28	32	27	45	52	37	44	42	48	54	36	37.4
	Minimum	30	20	40	33	30	29	34	22	30	28	20	17	18	32	25	5	9	10	22	14	12	22	16	15	37	35	30	22	35	34	33	24.5
Wheeling [3]	Maximum	41	45	43	41	36	39	37	50	54	34	28	28	32	33	35	24	23	23	30	19	24	30	22	40	47	35	37	38	45	52	35	35.5
	Minimum	32	24	24	36	25	25	32	31	30	27	24	21	19	20	24	0	2	4	4	16	10	10	4	3	15	32	28	28	31	34	34	20.9
Williamson [3]	Maximum	40	46	49	40	33	36	48	55	62	33	30	35	39	35	39	27	36	33	37	32	43	44	37	49	63	42	48	49	60	53	37	42.5
	Minimum	34	27	28	36	32	31	32	27	28	30	20	15	16	27	27	9	9	12	19	17	17	20	24	24	32	37	25	25	37	37	35	25.5

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—2-15-46—925)

WE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

V. T. HORN

Vol. LIII PARKERSBURG, W. VA., YEAR 1945 No. 13

GENERAL SUMMARY

The outstanding events in the weather history of West Virginia during 1945 were (1) the killing frost of April 6th in which about 80 percent of the fruit crop was lost; (2) the March floods in which Parkersburg broke the record for number of floods in one month, going above flood stage four times; (3) a major Ohio River flood from Chester to Kenova, W. Va., on the 7-9th. Events of somewhat less importance included (a) the record low temperatures of June 6th when the minimum temperature records for June at 16 stations were broken; (b) the minimum temperature of 22° at Pickens--the lowest ever recorded in the State for June; (c) a drought especially severe in the northern panhandle counties and centered at Wheeling, which began in July and continued through August.

The year averaged 7.20 inches above normal in precipitation. The months of February, March, May, July, September and November were all above normal in precipitation, and the other months were below normal.

Temperature for the year averaged exactly normal. However, January, May and December were much below normal; April was considerably above normal and March was excessively warm.

The crop season of 1945 had a very poor start due to the freezes of April after an abnormally warm March. May and the first half of June were cold and wet, making it very difficult for the farmer to plant the warm season crops such as corn, soybeans, and the melons. However, from the third decade of June through July and August, excellent growing weather plus adequate rainfall made for rapid crop advancement. Harvest weather in the same months was satisfactory for hay, wheat, oats and the minor crops. September was very wet, making harvest difficult and greatly retarded the plowing for wheat. However, the superabundance of rain made the ears on the new corn crop fill out nicely. October was an extremely helpful month, as the dry sunshiny weather that prevailed in the second decade dried the large corn crop satisfactorily. Winter apple picking was completed and the greater part of the wheat and oats fields was seeded. November ushered in the winter season with snows.

WEATHER BY MONTHS

JANUARY.—This month was the seventh coldest January of record and was characterized by steady cold with many below zero readings and low maximum temperatures. Precipitation was somewhat below normal. Flood stages were reached at Clarksburg and Weston on the West Fork River but no damage was reported.

FEBRUARY.—It was abnormally cold during the periods 1st-4th and 18-19th. However, the month averaged 2.1° above normal in temperature. Precipitation averaged considerably above normal in all divisions. There were two moderate rises in the Ohio River with crests well below flood stage; then came a third rise that brought crests slightly above flood stage as far downstream as Wheeling on the 28th. Below Wheeling the river had reached flood stage and was still rising at the close of the month. The West Fork River at Clarksburg was somewhat above flood stage on the 28th. The Little Kanawha River at Glenville and Creston crested at slightly above flood stage on the 27th. Fruit trees were dormant at the close of the month.

MARCH.—This month was abnormally warm. The mean temperature was the second highest of record. Precipitation averaged 0.64 inch above normal but was very unevenly distributed. The northeastern Panhandle was rather dry while stations in the northwestern part of the State had large amounts of from 6.00 to 8.03 inches. Snowfall was unusually light. A major flood occurred in the Ohio River from Chester to Kenova on the 7-9th. The damage was moderately heavy. Lesser rises preceded this flood and a minor rise occurred on the 23d-24th. At Parkersburg there were four flood crests during the month, two more than had ever been recorded in a single month, while the stage of 48.5 feet on the 9th was the seventh highest stage of record. March was an extremely good growing month. Fruit trees were blooming and the season was about three weeks ahead of normal by the close of the month.

APRIL.—The mean temperature was 55.5° or 3.2° above normal. It was the fourth warmest April of record. However, killing frosts were general on the 6th, while heavy to killing frosts occurred at a number of places on the 18th, 19th and 28th. Following the abnormally warm March that had called forth an excessive sappy growth on vegetation and brought the fruit trees to full bloom, April provided a frost and freeze on the morning of the 6th that caused the loss of probably 80 percent or more of the fruit crop.

MAY.—The month was cold and wet. It was the sixth coldest May of record. Its minimum temperature of 19° at Canaan Valley was exceeded only by the 17° in 1943, but was equalled in 1910, 1913 and 1939. Precipitation averaged above normal in all three divisions. The Ohio River counties averaged nearly two inches above the normal. May was a difficult month for the farmer as the frequent showers in many cases prevented planting and the cold wet soil rotted much of the seed such as corn and beans.

JUNE.—The most noteworthy feature of the month was the record low temperatures recorded at many stations on the 6th; at Pickens the minimum temperature of 22° was the lowest ever recorded in the State for June. Minimum temperature records were broken at three stations in the northeastern Panhandle division, eight in the Northern division and five in the Southern division. Sixteen stations reported killing frost. Precipitation averaged somewhat below normal and was concentrated for the most part in the first two decades. Hail did considerable damage to corn, oats and gardens in the vicinity of Montrose, Mill Creek and Grantsville on the 2d. With the soil cold and wet, crop advancement was retarded until the 20th. The harvest began auspiciously in the last decade of the month amid warmer weather, clearing skies and more nearly normal amounts of sunshine. Very heavy cuttings of alfalfa, clover and timothy hays were being secured at the close.

JULY.—The month was rather cool. It was the record wettest July in the northeastern Panhandle division. The other two divisions averaged slightly above normal. In contrast, with the exception of a few places in which timely showers occurred, the counties along the Ohio River became rather dry during the month. Hail was reported from sections of Hardy and Pocahontas counties on the 9th, Logan county on the 10th, Harrison, Marion and Mason counties on the 22d, Marion, Mineral and Tyler counties on the 23d and Taylor county on the 27th. The hail did considerable damage locally. A man was killed by lightning while riding in the back of a lumber truck near Elgood. Ample moisture and moderate weather were conducive to good crop growth during the first half of the month while the latter part of the month had very good harvest weather. Some hillside corn and some tobacco had begun to fire in the western counties but rains near the close checked this tendency.

(Continued on page 53)

Climatological Data for the Year 1945

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	47.4	89	June 30	−13	Feb. 4	41	53.02	8.21	Sept.	1.76	Oct.	72.0	159	161	94	110	w.
Brandywine	Pendleton	1,586	30	51.2	99	June 30	− 6	Dec. 23	30	36.68	8.21	July	0.50	Oct.	25.3	101	216	23	126	s.
Great Cacapon	Morgan	500	2	54.0	101	June 30	− 2	Dec. 14†	2	40.20	5.10	July	1.11	Oct.	30.0	103	151	104	110	e.
Harpers Ferry	Jefferson	400	.....	.....	.....	.....	.....	.....	57	53.71	7.60	Sept.	0.81	Oct.	27.9	134	.....	.....	.....	.....
Inwood	Berkeley	569	11	54.0	100	June 30†	− 2	Dec. 24	12	46.39	8.66	Sept.	0.65	Oct.	23.5	112	157	115	93	w.
Kearneysville	Jefferson	548	15	54.2	100	June 30	3	Dec. 24	16	45.58	7.94	Sept.	1.19	Oct.	19.5	122	127	124	114	nw.
Martinsburg	Berkeley	545	48	52.8	98	June 30	− 2	Dec. 24	54	45.22	9.49	Sept.	0.62	Oct.	28.3	140	129	83	153	nw.
McNeill, 2 NE.	Hardy	800	12	52.4	101	June 30	− 4	Jan. 30	12	38.41	6.36	July	1.33	Oct.	24.0	98	124	127	114	w.
Petersburg	Grant	1,029	7	53.8	100	June 30	5	Dec. 24	7	33.49	6.93	Sept.	0.53	Oct.	20.5	136	76	116	173	nw.
Piedmont	Mineral	1,053	32	52.3	96	June 30	5	Feb. 4†	31	43.56	8.50	Sept.	1.29	Oct.	37.8	135	125	107	133	nw.
Spruce Knob	Pendleton	4,550	....	....	.....	.....	.....	.....	14	43.97	7.12	Sept.	1.08	Dec.	74.5	139	.....	.....	.....	.....
Stony River Dam	Grant	3,300	...	.....	.....	.....	.....	.....	26	54.04	8.87	Sept.	1.52	Oct.	92.4	143	72	79	219	w.
Wardensville, 2½ NE.	Hardy	1,200	28	52.1	99	June 30	− 1	Jan. 18	27	44.05	8.31	Sept.	0.47	Oct.	.....	133	.....	.....	.....	nw.
Northern Division																				
Aberdeen	Upshur	1,060	....	.....	.....	.....	.....	.....	22	62.12	9.61	July	1.98	Oct.	28.9	151	62	169	134	w.
Belington	Barbour	1,725	8	.....	.....	.....	.....	.....	...	55.18	7.76	July	2.02	Oct.	49.3	175	.....	.....	.....	.....
Benson	Harrison	1,080	21	53.6	94	June 14†	− 2	Jan. 3†	21	60.27	8.05	Sept.	1.83	Oct.	53.5	151	106	161	98	.....
Bens Run	Pleasants	652	45	54.1	97	Aug. 31	1	Dec. 16	45	54.53	9.75	Sept.	1.50	Oct.	24.8	131	230	62	73	.....
Brandonville	Preston	1,798	5	47.5	90	June 14†	−14	Jan. 27	5	60.20	8.53	Sept.	2.10	Oct.	51.2	133	.....	.....	.....	.....
Brownsville	Lewis	1,032	22	55.0	98	July 10	0	Feb. 3	22	51.12	7.32	Sept.	0.71	Oct.	*30.2*	129	138	126	101	s.
Buckhannon	Upshur	1,411	51	52.2	90	June 29†	3	Jan. 27†	55	62.37	8.59	July	2.06	Oct.	52.6	179	152	100	113	.....
Cairo, 3 S.	Ritchie	680	40	54.2	95	June 15†	− 3	Dec. 17	36	54.44	8.20	Sept.	1.71	Oct.	22.8	154	78	189	98	.....
Canaan Valley	Tucker	3,250	2	47.5	88	June 30†	−13	Feb. 4	.	48.84	5.77	Nov.	1.59	Oct.	84.3	156	44	232	89	w.
Clarksburg	Harrison	1,015	23	50.8	93	June 29†	2	Jan. 3†	23	55.28	12.69	Sept.	1.55	Oct.	40.8	143	150	89	126	w.
Creston	Wirt	640	45	54.9	95	Sept. 1	− 2	Feb. 1	45	48.18	6.17	Nov.	1.43	Oct.	28.2	135	77	178	110	.....
Dam 10 Mon. R.	Monongalia	826	1	51.4	95	June 30†	3	Jan. 27†	24	50.69	8.08	Sept.	2.31	Oct.	28.2	162	178	61	126	sw.
Dam 13 O. R.	Marshall	655	....	....	.....	.....	.....	.....	30	47.68	8.03	Mar.	1.25	Aug.	25.1	150	..	.....	.....	....
Dam 15 Mon. R.	Marion	882	....	.....	.....	.....	.....	.....	24	52.16	9.12	Sept.	1.67	Oct.	26.7	144	.....	.....	.....	.....
Dam 19 O. R.	Wood	600	....	.....	.....	.....	.....	.....	29	47.49	6.89	Sept	0.99	Oct.	16.0	141	.....	.....	.....	.....
Dam 20 O. R.	Wood	600	....	.....	.....	.....	.....	.....	29	50.51	6.57	Mar.	1.35	Oct.	21.3	137	.....	.....	.....	
Elizabeth	Wirt	615	....	.....	.....	.....	.....	.....	36	52.08	6.48	Mar.	2.00	Oct.	23.0	126	....	.....	.....	.....
Elkins	Randolph	1,927	47	50.3	90	June 30	− 4	Jan. 27	47	49.29	7.46	June	1.54	Oct.	52.6	176	59	109	197	nw.
Fairmont	Marion	883	41	53.6	98	June 30	0	Dec. 16	54	54.49	*10.19*	Sept.	*1.69*	Oct.	*40.1*	159	128	99	138	.....
Glenville	Gilmer	738	52	56.3	97	June 14†	2	Feb. 3	58	61.05	7.18	Aug.	1.38	Oct.	25.3	144	134	156	75	w.
Grafton	Taylor	1,050	52	52.4	93	June 14	− 6	Jan. 27	50	61.93	10.85	Sept.	1.77	Oct.	29.6	155	185	63	117	.....
Harrison Co. Airport	Harrison	1,188	6	51.5	94	June 30	0	Dec. 16	6	52.34	10.40	Sept.	1.60	Oct.	31.9	157	84	103	178	s.
Hastings	Wetzel	809	....	.....	.....	.....	.....	.....	11	59.41	10.21	Sept.	1.83	Oct.	30.5	164	109	150	106	w.
Jane Lew	Lewis	1,020	....	.....	.....	.....	.....	.....	22	53.78	*9.00*	Sept.	1.44	Oct.	*23.2*	133	.....	.....	.....	.....
Mannington, 1½ NW	Marion	974	44	52.0	95	June 30	− 7	Jan. 27†	44	60.07	9.32	Sept.	1.69	Oct.	41.0	185	117	96	152	sw.
Middlebourne, 2¾ SE.	Tyler	750	5	52.7	97	Aug. 31	− 4	Feb. 3	5	55.07	11.17	Sept.	1.52	Oct.	30.8	136	146	64	155	sw.
Morgantown, 2 N.	Monongalia	1,250	52	53.4	93	July 21	− 1	Dec. 16	70	47.99	9.08	Sept.	2.11	Oct.	41.3	163	158	95	112	w.
New Cumberland	Hancock	671	51	51.2	98	Aug. 31	− 5	Dec. 16	48	46.47	9.00	Sept.	1.33	Aug.	29.0	163	140	73	152	nw.
New Martinsville	Wetzel	637	53	54.4	98	June 30	1	Dec. 16	52	57.92	10.16	Sept.	1.62	Oct.	29.1	143	144	125	96	sw.
Parkersburg	Wood	615	61	54.4	95	Sept. 8	3	Dec. 16	61	48.66	8.12	Sept.	1.11	Oct.	28.3	153	95	121	149	se.
Parsons	Tucker	1,649	47	51.8	94	June 30	− 4	Jan. 27	47	54.41	7.62	Sept.	2.02	Oct.	59.3	183	.....	.....	.....	nw.
Philippi	Barbour	1,300	....	.....	.....	.....	.....	.....	53	52.03	8.01	Sept.	1.90	Oct.	45.5	160	.....	.....	.....	.....
Pickens	Randolph	2,760	56	45.3	91	June 29	− 6	Jan. 2†	56	71.94	8.83	July	3.41	Oct.	104.9	167	141	88	136	w.
Roanoke	Lewis	1,050	...	.....	.....	.....	.....	.....	22	53.38	7.77	Sept.	1.35	Oct.	26.0	130	129	103	133	.....
Rowlesburg	Preston	1,375	4	53.1	97	June 14	− 3	Jan. 27	61	63.74	9.16	Sept.	2.17	Oct.	65.7	144	112	82	221	nw.
Saint Marys	Pleasants	625	....	.....	.....	.....	.....	.....	35	59.00	13.00	Sept.	1.40	Oct.	*21.8*	133	.....	.....	.....	.....
Smithburg	Doddridge	800	5	.....	.....	.....	.....	.....	....	53.99	11.20	Sept.	1.28	Oct.	.....	141	.....	.....	.....	.....
Thomas	Tucker	2,950	...	.....	.....	.....	.....	.....	17	60.77	7.55	July	2.42	Oct.	80.7	173	.....	.....	.....	.....
Valley Chapel	Lewis	1,011	22	55.3	97	Sept. 1	0	Jan. 3	22	60.20	9.76	Sept.	1.89	Oct.	31.7	158	125	132	118	w.
Wellsburg, 3 NE.	Brooke	668	46	51.7	98	Aug. 31	−10	Dec. 23	53	50.05	9.14	Sept.	1.78	Dec.	22.0	124	137	93	135	.....
West Milford	Harrison	979	....	.....	.....	.....	.....	.....	20	58.17	10.26	Sept.	1.57	Oct.	28.0	144	.....	.....	.....	.....
Weston	Lewis	1,026	52	56.0	99	June 14†	5	Dec. 16	55	62.19	9.03	Sept.	1.55	Oct.	41.3	169	.....	.....	.....	.....
Wheeling (Dam 12)	Ohio	659	38	52.7	96	Aug. 31	0	Dec. 16	62	44.16	8.45	Sept.	0.81	Aug.	28.4	143	148	47	170	sw.
Southern Division																				
Alderson	Monroe	1,570	2	54.1	...	....	− 8	Feb. 4†	2	38.55	5.52	July	1.67	Oct.	11.9	92	.	.....	.....	.....
Arbovale	Pocahontas	2,727	....	....	....	.....	.....	.....	23	37.31	7.99	July	0.56	Oct.	34.5	128	119	140	106	w.
Athens	Mercer	2,600	2	52.6	88	June 30†	0	Feb. 1	2	36.90	5.38	Sept.	1.16	Aug.	17.4	131	139	120	106	nw.
Bluefield	Mercer	2,558	47	54.3	90	June 29†	2	Feb. 1	51	47.81	6.50	May	2.58	Apr.	44.1	157	187	66	112	....
Bluestone Dam	Summers	1,408	3	54.4	97	June 29	4	Feb. 1	3	36.73	5.14	Sept.	1.04	Oct.	.....	112	127	158	80	s.
Camden-on-Gauley	Webster	2,029	....	.....	.....	.....	.....	.....	27	52.56	9.08	July	1.59	Oct.	48.1	149	.....	.....	.....	.....
Charleston	Kanawha	602	42	56.0	97	June 14†	4	Feb. 6	59	47.32	5.96	Nov.	2.03	Aug.	20.0	148	150	90	125	.....
Charleston (Airport)	Kanawha	606	8	55.2	98	Aug. 31	0	Feb. 1	8	47.22	6.84	May	1.65	Oct.	17.2	145	61	140	164	ne.
Clay	Clay	790	....	.....	.....	.....	.....	.....	32	*43.20*	5.83	Sept.	1.17	June	.....	146	.....	.....	.....	.....
Cranberry Glades	Pocahontas	3,400	2	46.4	87	June 30	− 6	Feb. 4	2	55.23	7.86	July	0.85	Oct.	78.4	175	101	134	130	w.
Flat Top	Mercer	3,270	8	48.7	86	June 30	− 4	Feb. 1	8	47.05	6.03	July	1.69	Oct.	29.7	161	101	123	141	nw.
Gary	McDowell	1,426	26	54.6	93	June 28†	3	Dec. 20	29	46.08	6.64	Sept.	1.16	Oct.	8.4	153	.....	.....	.....	.....
Greenbottom	Cabell	550	7	55.0	98	Aug. 31	.....	.....	7	45.75	6.41	Feb.	1.54	Oct.	11.3	115	.....	.....	.....	w.
Hamlin	Lincoln	642	3	54.0	98	Aug. 31	− 7	Feb. 1	3	44.37	5.66	May	0.77	Aug.	15.6	128	159	87	119	.....
Hinton	Summers	1,431	48	54.9	101	June 30	3	Feb. 1†	57	41.80	5.36	Sept.	0.96	Oct.	9.0	141	.....	.....	.....	.....
Huntington	Cabell	571	49	57.6	98	Sept. 7†	5	Feb. 1†	50	42.84	5.35	Feb.	1.04	Aug.	28.9	140	97	116	152	nw.
Kayford	Kanawha	1,335	....	.....	.....	.....	.....	.....	29	48.13	5.93	Nov.	1.82	Oct.	.....	87	.....	.....	.....	.....
Logan	Logan	700	19	57.0	99	June 30	6	Feb. 1†	33	50.17	6.20	May	1.62	Oct.	12.5	149	117	103	145	.....
London Locks	Kanawha	623	11	57.0	97	Aug. 7	5	Feb. 2	11	55.34	8.20	July	1.95	Oct.	9.9	151	.....	.....	.....	w.
Madison	Boone	675	24	55.2	95	Oct. 1	.....	.....	25	49.25	6.14	Nov.	1.88	Oct.	.....	158	104	134	127	.....
Oak Hill	Fayette	1,950	4	51.4	93	Aug. 1	− 1	Feb. 1	4	49.57	9.88	July	1.77	Oct.	24.8	152	118	59	188	.....
Point Pleasant	Mason	595	52	56.5	98	Aug. 31	3	Dec. 16	56	52.03	6.50	Mar.	1.41	Aug.	25.9	134	145	51	169	w.
Rainelle	Greenbrier	2,424	15	50.6	93	June 30	− 3	Feb. 3†	15	56.40	7.65	Nov.	1.81	Oct.	78.0	179	150	48	167	.....
Ravenswood (Dam 22)	Jackson	584	23	52.9	92	July 21†	− 4	Feb. 1	31	43.92	5.48	Mar.	1.47	Oct.	12.5	123	100	86	179	sw.
Richwood	Nicholas	2,193	15	51.9	.....	.....	− 5	Dec. 17	15	46.74	*6.83*	Nov.	1.22	Aug.	*72.2*	100	153	93	119	....
Spencer	Roane	789	46	53.6	95	June 14†	− 1	Feb. 1	47	47.03	5.48	Nov.	1.57	Oct.	28.0	142	80	152	133	.....
Summersville	Nicholas	1,900	10	49.9	92	June 14†	− 6	Feb. 2†	10	53.57	8.91	July	1.63	Oct.	*43.5*	126	75	167	127	....
Sutton	Braxton	850	43	55.7	96	June 30†	1	Dec. 16	43	56.67	8.42	Aug.	2.24	Mar. *	47.2	139	.....	.....	.....	.....
Union	Monroe	2,200	42	51.4	93	June 29†	2	Feb. 1	41	39.89	5.36	Sept.	1.65	Oct.	.....	129	.....	.....	.....	.....
Wayne	Wayne	598	....	.....	.....	.....	.....	.....	21	49.70	6.38	Feb.	1.28	Aug.	15.2	121	.....	.....	.....	.....
White Sulphur Springs	Greenbrier	1,914	33	51.4	95	July 1	4	Feb. 1	32	38.52	4.91	Sept.	1.12	Oct.	14.0	132	28	154	183	w.
Williamson	Mingo	673	44	57.8	99	June 29†	6	Feb. 2	45	50.08	5.81	May	1.94	Oct.	14.5	137	174	80	111	ne.
Winfield Locks	Putnam	571	8	55.0	95	July 20†	2	Feb. 1†	8	42.83	5.01	Nov.	1.45	Oct.	19.5	138	117	82	166	sw.
State averages and extremes		.....	....	**53.0**	**102**	**June 30**	**−14**	**Jan. 27**	....	**50.37**	**13.35**[1]	**Sept.**	**0.28**[2]	**Oct.**	**34.1**	**139**	**128**	**109**	**128**	**w.**

† Also on other dates. * Also other months. [1] At Salem. [2] At Franklin.

Monthly and Annual Precipitation for the Year 1945, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	3.85	−0.65	4.54	+1.04	4.31	−0.20	3.52	−0.32	5.69	+1.39	3.77	−1.36	5.50	+1.26	4.47	+0.09	8.21	+4.90	1.76	−1.50	5.21	+2.21	2.19	−1.65	53.02	+5.21
Brandywine	2.33	−0.01	2.43	+0.67	1.45	−1.02	1.46	−1.21	2.83	−0.25	2.59	−1.29	8.21	+4.64	2.21	−1.37	7.12	+4.74	0.50	−1.87	3.47	+1.69	2.08	−0.02	36.68	+4.70
Great Cacapon	2.34	.....	2.32	.....	3.08	.....	3.08	.....	4.33	.....	4.05	.....	5.10	.....	4.63	.....	*4.98*	.....	1.11	.....	2.82	.....	2.36	.....	40.20	.....
Harpers Ferry	2.83	+0.12	2.98	+0.72	2.41	−0.64	4.50	+1.25	4.08	+0.64	6.41	+2.76	7.38	+3.88	5.04	+1.05	7.60	+4.94	0.81	−2.45	4.97	+1.78	4.70	+2.09	53.71	+16.14
Inwood	1.96	.....	3.31	.....	1.48	.....	4.54	.....	4.31	.....	4.30	.....	7.21	.....	3.28	.....	8.66	.....	0.65	.....	3.74	.....	2.95	.....	46.39	.....
Kearneysville	2.96	+0.18	2.75	+0.39	1.90	−1.42	4.73	+1.45	3.60	+0.11	3.67	+0.04	6.08	+2.89	3.30	−0.45	7.94	+4.61	1.19	−2.07	4.07	+1.47	3.39	+0.98	45.58	+8.18
Martinsburg	2.61	+0.10	1.52	−0.88	1.99	−1.27	4.37	+1.26	4.15	+0.76	3.26	−0.88	7.80	+4.18	2.32	−1.74	9.49	+6.57	0.62	−2.45	4.06	+1.81	3.03	+0.27	45.22	+7.73
McNeill	1.75	−0.63	2.52	+0.39	2.83	+0.24	2.17	−0.79	2.94	−0.29	3.75	+0.15	6.36	+3.33	2.71	−0.28	6.28	+4.00	1.33	−0.98	4.02	+2.47	1.75	−0.31	38.41	+7.30
Petersburg	1.67	.....	2.86	.....	2.50	.....	1.69	.....	3.10	.....	3.27	.....	4.09	.....	2.81	.....	6.93	.....	0.53	.....	2.75	.....	1.29	.....	33.49	.....
Piedmont	1.68	−0.90	3.26	+1.02	2.80	−0.18	3.00	−0.01	3.92	+0.27	3.20	−0.80	4.74	+1.26	5.15	+1.56	8.50	+6.09	1.29	−1.36	4.06	+2.17	1.96	−0.45	43.56	+8.67
Stony River Dam	3.85	+1.04	3.96	+1.11	4.27	+0.92	3.77	+0.02	5.08	+0.48	3.85	−0.17	6.31	+2.17	5.56	+0.98	8.87	+6.09	1.52	−1.68	4.72	+1.77	2.28	−0.96	54.04	+11.77
Wardensville	1.14	−0.99	2.11	+0.40	2.79	+0.59	2.78	+0.27	2.58	−0.38	4.97	+1.97	6.05	+2.95	5.68	+2.05	8.31	+5.72	0.47	−2.69	4.07	+2.44	3.10	+1.36	44.05	+13.69
Northern Division																										
Aberdeen	3.97	+0.57	5.16	+2.06	4.32	+0.53	3.87	+0.07	4.78	+0.91	5.39	+1.03	9.61	+4.82	5.88	+1.40	8.37	+5.06	1.98	−1.56	6.14	+2.80	2.65	−0.35	62.12	+17.34
Benson	4.65	+1.04	6.05	+2.34	6.37	+2.91	4.00	+0.79	4.89	+0.96	3.51	−0.80	5.49	+0.34	6.82	+2.37	8.05	+4.42	1.83	−1.73	5.75	+2.26	2.86	−0.63	60.27	+14.27
Bens Run	3.99	+0.01	4.55	+1.44	6.30	+2.26	3.28	−0.28	6.43	+2.43	3.39	−0.83	3.92	−0.61	3.29	−0.95	9.75	+7.16	1.50	−1.52	5.32	+2.43	2.81	−0.75	54.53	+10.79
Brandonville	3.10	.....	4.39	.....	5.42	.....	4.31	.....	5.92	.....	4.40	.....	6.95	.....	4.78	.....	8.53	.....	2.10	.....	6.19	.....	4.11	.....	60.20	.....
Brownsville	3.83	+0.24	4.55	+1.48	3.11	−0.36	3.64	+0.28	5.08	+0.85	3.91	−0.40	5.78	+0.98	6.01	+1.74	7.32	+3.57	0.71	−2.71	5.72	+2.05	1.46	−1.86	51.12	+5.86
Buckhannou	4.35	−0.05	5.09	+1.33	4.72	+0.21	4.11	+0.22	5.56	+1.13	4.75	+0.04	8.59	+3.87	4.53	+0.44	8.54	+5.58	2.06	−1.08	6.75	+3.65	3.32	−0.86	62.37	+14.48
Cairo	3.81	−0.14	5.52	+2.55	5.32	+1.50	3.77	+0.31	6.40	+2.98	4.06	−0.45	3.88	−0.54	3.08	−0.79	8.20	+5.40	1.71	−1.21	5.49	+2.61	8.20	−0.25	54.44	+11.97
Canaan Valley	2.59	.....	4.56	.....	4.59	.....	4.09	.....	4.90	.....	4.97	.....	5.03	.....	3.40	.....	5.52	.....	1.59	.....	5.77	.....	1.83	.....	48.84	.....
Clarksburg	3.88	+0.57	4.44	+1.40	5.41	+2.39	3.32	−0.05	4.52	+0.84	2.49	−1.78	4.87	+0.79	4.83	+0.35	12.69	+9.09	1.55	−1.58	5.01	+1.82	2.27	−0.81	55.28	+13.03
Creston	3.76	−0.17	4.70	+1.51	5.48	+1.38	3.66	0.00	4.60	+0.89	4.26	−0.12	2.76	−1.46	3.47	−0.39	5.16	+2.47	1.43	−1.72	6.17	+3.42	2.73	−0.74	48.18	+5.07
Dam 10, Mon. R.	3.26	+0.07	4.26	+1.39	5.83	+2.06	3.77	+0.30	4.33	+0.26	4.47	+0.13	4.21	+0.13	2.96	−1.10	8.08	+4.56	2.31	−0.86	4.89	+1.74	2.32	−1.10	50.69	+7.58
Dam 13, O. R.	3.23	+0.10	3.83	+1.40	8.03	+4.60	3.78	+0.46	5.55	+2.13	3.12	−0.71	2.73	−1.63	1.25	−2.12	7.45	+4.47	2.19	−0.50	4.36	+1.98	2.16	−0.82	47.68	+9.36
Dam 15, Mon. R	3.42	+0.20	4.64	+1.65	5.26	+2.12	3.23	−0.06	4.45	+0.85	3.91	−0.08	5.60	+1.67	3.75	−0.38	9.12	+5.93	1.67	−1.57	5.08	+1.79	2.03	−1.10	52.16	+11.02
Dam 19, O. R.	3.19	−0.22	4.23	+1.66	5.57	+2.03	3.83	+0.65	5.52	+2.10	3.09	−0.83	3.45	−0.48	3.07	−0.59	6.89	+4.23	0.99	−1.66	5.29	+2.65	2.37	−0.76	47.49	+8.78
Dam 20, O. R.	3.91	+0.29	5.72	+2.96	6.57	+2.86	3.65	+0.41	5.91	+2.45	3.35	−0.64	2.65	−1.28	2.62	−1.17	6.06	+3.47	1.35	−1.40	6.27	+3.67	2.45	−0.69	50.51	+10.93
Elizabeth	3.59	−0.18	5.31	+2.45	6.48	+2.73	3.84	+0.67	6.26	+2.83	2.41	−1.80	4.11	−0.29	2.69	−1.31	6.30	+3.71	2.00	−0.92	6.05	+3.51	3.04	−0.09	52.08	+11.31
Elkins	2.49	−1.29	4.26	+1.18	4.50	+0.70	2.50	−1.12	4.12	+0.07	7.46	+2.40	5.92	+0.54	2.54	−1.32	5.98	+2.83	1.54	−1.37	6.21	+3.43	1.77	−1.69	49.29	+4.36
Fairmont	2.96	−0.97	5.02	+2.00	5.04	+1.07	3.83	+0.56	3.88	0.00	3.86	−0.55	6.43	+2.03	3.70	−0.30	*10.19*	+7.24	*1.69*	−1.42	*5.30*	+2.54	*2.59*	−0.90	54.49	+11.30
Glenville	4.60	+0.17	4.86	+1.29	6.53	+2.24	3.83	+0.07	5.07	+0.95	5.53	+1.14	5.60	+0.73	7.18	+2.95	6.81	+3.59	1.38	−1.83	6.41	+3.36	3.25	−0.68	61.05	+13.98
Grafton	3.41	−0.16	5.02	+2.11	6.30	+2.54	4.72	+1.43	5.87	+2.19	2.99	−1.14	6.00	+1.92	6.54	+2.83	10.85	+8.24	1.77	−1.19	5.96	+3.53	2.50	−0.58	61.93	+21.72
Grantsville	*4.20*	.....	4.50	...	5.80	.....	3.00	.....	4.70	.....	4.90	....	2.90	.....	4.50	.....	5.70	.....	1.50	.....	5.70	.....	2.58	.....	49.98	.....
Harrison County Airp't.	2.89	.....	4.68	.....	5.35	.....	3.54	.....	3.72	.....	2.31	.....	3.72	.....	6.91	.....	10.40	.....	1.60	.....	4.89	.....	2.33	.....	52.34	.....
Hastings	3.98	+0.22	5.06	+1.80	6.54	+2.07	4.63	+0.62	4.97	+0.34	4.20	−1.42	6.36	+1.57	2.01	−3.12	10.21	+7.21	1.83	−1.48	5.93	+3.07	3.69	+0.07	59.41	+10.95
Jane Lew	3.98	+0.72	3.91	+1.14	4.46	+1.20	4.09	+0.44	3.95	−0.65	3.05	−1.02	4.27	−0.67	7.21	+2.36	*9.00*	+5.76	1.44	−1.88	5.80	+2.48	2.62	−0.46	53.78	+9.42
Mannington	4.06	−0.06	5.85	+2.95	5.93	+1.90	5.27	+1.57	4.98	+0.97	6.00	+1.72	6.93	+2.14	2.05	−2.03	9.32	+5.93	1.69	−1.48	5.06	+2.02	2.93	−0.64	60.07	+14.99
Middlebourne	3.15	.....	4.20	.....	6.00	.....	4.39	.....	5.16	.....	3.66	.....	5.46	.....	2.16	.....	11.17	.....	1.52	.....	5.29	.....	2.91	.....	55.07	.....
Morgantown	3.42	−0.04	4.37	+1.81	4.26	+0.87	3.69	+0.54	4.21	+0.51	3.66	−0.58	3.08	−1.30	2.97	−1.04	9.08	+6.21	2.11	−1.04	4.87	+2.34	2.27	−0.83	47.99	+7.45
New Cumberland	2.11	−0.73	3.57	+1.18	6.26	+3.02	3.67	+0.39	4.50	+1.10	3.33	−1.22	3.96	−0.12	1.33	−2.06	9.00	+6.09	2.37	−0.35	4.22	+1.90	2.15	−0.61	46.47	+8.54
New Martinsville	3.69	−0.29	4.46	+1.62	6.71	+2.92	3.44	−0.06	5.18	+1.46	6.07	+1.96	3.94	−0.55	3.52	−0.37	10.16	+7.13	1.62	−1.50	6.33	+3.49	2.85	−0.71	57.92	+15.10
Parkersburg	2.41	−1.17	5.07	+1.94	5.12	+1.63	3.55	+0.36	5.21	+1.83	3.38	−0.62	3.99	−0.30	3.12	−0.39	8.12	+5.36	1.11	−1.37	4.89	+2.32	2.69	−0.34	48.66	+9.25
Parsons	3.57	−1.04	4.98	+1.46	5.00	+0.79	3.85	+0.09	4.96	+0.83	4.14	−0.85	5.47	+0.38	4.19	+0.14	7.62	+4.47	2.02	−1.25	5.89	+2.96	2.72	−1.33	54.41	+6.65
Philippi	4.05	−0.09	4.15	+0.97	5.36	+1.22	3.73	+0.01	4.72	+0.45	3.01	−1.68	4.02	−0.71	5.07	+0.83	8.01	+4.71	1.90	−1.24	5.91	+2.98	2.10	−1.67	52.03	+5.78
Pickens	5.40	−0.92	5.47	+0.38	5.75	−0.16	5.24	+0.05	8.19	+2.94	5.61	−0.19	8.88	+2.79	3.42	−2.05	8.22	+4.12	3.41	−0.63	7.99	+3.77	4.41	−0.97	71.94	+9.13
Roanoke	3.63	+0.03	4.76	+1.38	3.28	−0.34	3.28	−0.30	4.32	−0.04	4.80	+0.49	6.07	+1.18	5.82	+1.48	7.77	+4.37	1.35	−2.07	5.52	+2.15	2.78	−0.59	53.38	+7.74
Rowlesburg	4.15	−0.76	5.23	+1.58	7.48	+2.63	3.95	−0.24	5.88	+1.25	3.27	−2.10	5.85	+0.65	6.73	+2.20	9.16	+5.68	2.17	−2.18	6.80	+3.25	3.07	−1.31	63.74	+10.65
St. Marys	3.43	−0.31	4.99	+2.06	5.77	+1.85	4.14	+0.72	5.73	+2.22	4.51	+0.34	5.24	+1.08	2.42	−1.67	13.00	+10.30	1.40	−1.46	5.67	+2.87	2.70	−0.64	59.00	+17.36
Smithburg	3.38	.....	5.62	.....	5.27	.....	3.58	....	4.57	.....	3.19	.....	4.95	.....	2.43	.....	11.20	.....	1.28	.....	5.68	.....	2.84	.....	53.99	.....
Thomas	4.35	+0.37	3.13	−0.43	6.10	+0.99	3.69	−0.49	6.31	+1.06	6.36	+1.25	7.55	+1.06	4.14	−0.95	6.91	+2.91	2.42	−1.82	7.23	+4.24	2.58	−1.27	60.77	+6.92
Valley Chapel	4.07	+0.53	5.34	+2.27	5.70	+2.01	3.98	+0.57	4.87	+0.98	3.28	−0.47	3.59	−1.34	7.71	+3.55	9.76	+6.44	1.89	−1.52	6.25	+2.98	3.76	+0.54	60.20	+16.54
Wellsburg	2.17	−0.88	3.54	+1.35	7.11	+3.92	4.57	+1.41	4.88	+1.68	4.32	+0.18	2.51	−1.67	2.73	−0.83	9.14	+6.15	2.92	+0.20	4.38	+1.81	1.78	−1.13	50.05	+12.19
West Milford	3.96	+0.89	5.14	+1.81	5.76	+2.22	3.77	−0.05	4.39	+0.66	2.79	−1.48	5.17	+0.52	6.55	+1.93	10.26	+6.99	1.57	−2.68	5.97	+2.36	2.84	−0.24	58.17	+12.96
Weston	5.06	+0.95	4.72	+1.12	5.31	+1.03	3.93	+0.42	5.06	+1.22	4.73	+0.39	7.98	+3.56	5.44	+1.74	9.03	+6.40	1.55	−1.26	6.27	+3.33	3.11	−0.52	62.19	−18.38
Wheeling (Dam 12)	2.41	−0.63	3.47	+1.18	7.56	+4.28	3.82	+0.59	4.43	+1.33	2.96	−0.93	1.64	−2.66	0.81	−2.74	8.45	+5.53	2.24	−0.49	4.23	+1.80	2.14	−0.84	44.16	+6.42
Southern Division																										
Alderson	1.99	.....	3.33	.....	*3.64*	.....	2.26	.....	4.13	.....	2.76	.....	5.52	.....	2.05	.....	5.48	.....	1.67	.....	3.98	.....	1.74	.....	38.55	.....
Arbovale	1.88	−0.93	3.33	+0.46	2.68	−1.13	2.25	−0.97	4.41	+1.00	2.39	−1.36	7.99	+3.28	2.18	−2.13	4.45	+1.92	0.56	−2.08	4.01	+0.93	1.18	−1.98	37.31	−2.99
Athens	1.63	.....	3.96	.....	2.79	.....	1.91	.....	4.32	.....	3.19	.....	4.86	.....	1.16	.....	5.38	.....	1.31	.....	2.86	.....	3.53	.....	36.90	.....
Bluefield	2.76	−0.25	4.89	+1.96	3.10	−0.02	2.58	−0.53	6.50	+3.38	3.97	−0.26	5.74	+1.67	2.76	−0.85	5.58	+3.26	3.52	+0.75	3.42	+1.37	2.99	+0.11	47.81	+10.59
Charleston	4.56	+0.53	5.33	+2.02	3.53	−0.97	2.92	−0.95	5.13	+1.35	4.28	−0.11	4.77	−0.01	2.03	−2.44	4.11	+1.13	2.33	−0.71	5.96	+2.89	2.37	−1.27	47.32	+1.46
Charleston (Airport)	2.69	.....	5.37	.....	3.84	.....	3.35	.....	6.84	.....	4.52	.....	4.27	.....	2.14	.....	4.47	.....	1.65	.....	5.79	.....	2.29	.....	47.22	.....
Cranberry Glades	4.21	.....	5.53	.....	4.62	.....	3.68	.....	6.44	.....	3.08	.....	7.86	.....	2.43	.....	6.11	.....	0.85	.....	6.10	.....	4.32	.....	55.23	.....
Flat Top	2.67	.....	4.92	.....	3.55	.....	3.25	.....	5.42	.....	4.11	.....	6.03	.....	2.53	.....	5.05	.....	1.69	.....	4.09	.....	3.74	.....	47.05	.....
Gary	2.40	−1.05	4.88	+1.74	3.78	−0.38	3.30	−0.19	5.19	+1.22	3.40	−1.67	5.83	+0.90	2.56	−1.55	6.64	+3.65	1.16	−1.74	4.24	+1.54	2.70	−0.67	46.08	+1.80
Greenbottom	4.34	.....	6.41	.....	5.24	.....	3.50	.....	5.10	.....	2.82	.....	2.93	.....	*1.88*	.....	4.28	.....	1.54	.....	5.43	.....	2.28	.....	45.75	.....
Hamlin	3.64	.....	5.49	.....	4.84	.....	2.22	.....	5.66	.....	5.09	.....	3.40	.....	0.77	.....	3.85	.....	1.77	.....	5.37	.....	2.27	.....	44.37	.....
Hinton	2.10	−1.16	4.08	+1.14	3.27	−0.63	3.04	−0.16	4.98	+1.43	3.57	−0.73	5.01	+0.94	2.77	−1.39	5.36	+2.67	0.96	−1.87	3.36	+0.95	2.85	−0.33	41.30	+0.86
Huntington	3.84	+0.05	5.35	+2.27	5.08	+0.86	3.74	+0.23	5.34	+1.37	4.10	−0.13	2.75	−1.55	1.04	−2.66	2.61	+0.16	1.77	−0.75	5.03	+2.51	2.19	−1.18	42.84	+1.18
Kayford	2.57	−1.65	4.84	+1.40	4.58	−0.06	3.42	−0.64	5.87	+1.47	4.30	−0.89	5.85	+0.68	2.05	−2.78	4.40	+1.02	1.82	−1.50	5.93	+2.78	2.50	−1.41	48.13	−1.58
Logan	3.71	−0.71	4.48	+0.98	4.80	+0.08	3.46	−0.69	6.20	+2.09	4.61	−0.28	6.02	+1.09	2.82	−1.67	4.06	+0.91	1.62	−1.43	5.83	+2.60	2.56	−1.54	50.17	+1.43
London Locks	3.79	+0.57	4.89	+1.70	4.55	+0.39	2.72	−0.59	5.24	+1.91	3.83	−0.47	8.20	+2.26	5.75	+1.46	4.68	+2.03	1.95	−0.97	7.19	+4.28	2.55	−0.66	55.34	+11.91
Madison	4.38	+0.28	4.75	+1.52	4.91	+0.73	3.23	−0.61	5.88	+1.55	4.01	−0.15	3.95	−1.38	4.48	+0.66	*3.44*	−0.02	1.88	−0.75	6.14	+3.49	*2.20*	−0.70	49.25	+4.62
Oak Hill	2.92	.....	4.04	.....	3.93	.....	2.18	.....	5.22	....	3.36	.....	9.88	.....	3.07	.....	5.21	.....	1.77	.....	5.36	.....	2.63	.....	49.57	.....
Pineville	2.68	.....	5.12	.....	4.15	.....	3.29	.....	6.13	.....	2.79	.....	6.35	.....	2.20	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Point Pleasant	4.79	+0.84	4.59	+1.44	6.50	+2.41	3.67	+0.36	5.98	+1.99	3.39	−0.69	6.06	+1.92	1.41	−1.80	4.99	+2.58	1.86	−0.95	5.86	+3.03	2.93	−0.57	52.03	+10.56
Rainelle	3.77	−0.44	5.59	+1.38	4.06	−1.49	3.32	−0.87	6.38	+1.91	4.08	−1.02	5.38	−0.41	3.42	−2.36	7.45	+4.33	1.81	−0.80	7.65	+4.66	3.49	−0.04	56.40	+4.85
Ravenswood (Dam 22)	3.58	−0.02	4.51	+1.54	5.48	+1.59	3.34	+0.18	5.10	+1.39	2.86	−1.28	4.51	+0.49	3.03	−0.32	3.37	+1.07	1.47	−1.32	4.75	+2.03	1.92	−1.40	43.92	+3.95
Richwood	3.83	−0.22	4.30	+0.18	4.24	−1.26	2.72	−1.12	5.54	+0.84	4.40	−0.69	2.73	−4.11	1.22	−3.94	6.80	+3.69	1.89	−0.96	*6.83*	+3.94	2.24	−1.25	46.74	−4.90
Seneca State Forest	2.34	.....	4.38	.....	3.29	.....	1.93	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.06	.....	.....	.....	.....	.....	.....	.....
Spencer	3.88	−0.13	5.35	+2.20	5.46	+1.39	3.12	−0.27	4.22	+0.57	3.84	−0.67	3.73	−0.51	2.94	−1.03	4.83	+1.95	1.57	−1.59	5.48	+2.81	2.61	−0.80	47.03	+3.92
Summersville	4.27	.....	4.28	.....	4.95	....	2.83	.....	6.41	.....	2.37	.....	8.91	.....	3.26	.....	5.88	.....	1.63	.....	5.93	.....	*2.85*	.....	53.57	.....
Sutton	4.88	+0.34	4.32	+0.88	2.24	−2.10	3.72	−0.13	4.57	+0.21	3.91	−1.05	6.74	+1.41	8.42	+4.17	5.64	+2.29	2.24	−0.75	7.31	+4.11	2.68	−1.14	56.67	+8.24
Union	2.20	−0.95	2.73	−0.12	3.69	+0.14	2.42	−0.47	5.16	+1.96	3.51	−0.48	4.62	+0.83	2.89	−1.04	5.36	+2.81	1.65	−1.08	3.08	+0.74	2.58	−0.34	39.89	+2.00
Wayne	4.36	+0.60	6.38	+3.46	5.82	+1.22	3.41	−0.25	5.65	+2.07	5.10	+1.08	4.29	−0.30	1.28	−2.97	4.01	+0.92	1.74	−1.14	5.26	+2.20	2.40	−0.63	49.70	+6.26
Webster Springs	2.65	.....	5.07	.....	4.06	.....	3.75	.....	5.47	.....	1.28	.....	4.59	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
White Sulphur Springs	2.53	−0.80	3.32	+0.69	3.95	+0.38	1.47	−1.81	3.74	+0.27	3.38	−0.60	4.58	+0.66	3.10	−0.49	4.91	+2.07	1.12	−1.69	3.88	+1.60	2.54	−0.56	38.52	−0.28
Williamson	3.32	−0.63	3.41	+0.06	4.45	−0.09	3.14	−0.54	5.81	+1.73	4.95	+0.18	5.65	+1.22	5.79	+1.80	4.50	+1.51	1.94	−0.85	4.71	+1.89	2.41	−1.37	50.08	+4.91
Winfield Locks	3.80	.....	4.74	.....	4.90	.....	2.99	.....	4.90	.....	3.48	.....	3.17	.....	1.88	.....	4.27	.....	1.45	.....	5.01	.....	2.24	.....	42.83	.....
Average for State	**3.28**	**−0.29**	**4.36**	**+1.23**	**4.58**	**+0.64**	**3.37**	**−0.17**	**5.01**	**+1.02**	**3.82**	**−0.63**	**5.54**	**+0.90**	**3.72**	**−0.39**	**7.18**	**+4.20**	**1.65**	**−1.20**	**5.29**	**+2.52**	**2.57**	**−0.71**	**50.37**	**+7.20**

Italic figures indicate values interpolated from nearby stations.

Supplemental Monthly and Annual Precipitation for 1945, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
Bartow	1.81	−1.71	4.42	+1.69			2.51	−0.63			4.05		7.76		3.60		7.00		0.64	−2.68						
Belington	3.93		3.99		5.00		3.58		5.89		4.78		7.04		5.96		6.82		2.02		6.17		2.19		55.18	
Big Skin Creek	4.41		4.92		4.12		3.97		4.04		4.78		9.08	+4.17	3.13	−2.34	6.66	+3.30	1.64		6.48		2.26		56.44	
Camden-on-Gauley	3.66	+0.20	4.65	+1.66	4.18	−0.26	2.59	−1.18	5.12	−0.17	3.22	−1.85	9.08	+4.17	3.13	−2.34	6.66	+3.30	1.59	−1.43	6.25	+2.61	2.43	−1.71	52.56	+3.09
Crawford	3.35	−0.13	4.53	+1.21	3.87	−0.46	4.22	−0.01	3.97	−0.52	4.85	+0.08	7.91	+2.77	4.39	−0.19	6.72	+2.98	1.95	−1.54	5.49	+1.85	2.28	−1.31	53.54	+4.73
Dailey	2.99		3.06		4.25		2.63		4.07		5.02		6.50		2.50		5.65		1.47		6.09		2.56		46.20	
Elk	3.59		5.14		5.45		3.47		4.82		2.92		5.88		6.25		7.16		2.08		6.70		2.16		56.02	
Hackers Creek	2.47		4.04		5.80		3.90		4.32		2.41		5.10		9.24		9.49		1.69		5.81		2.16		56.42	
Hall	4.43		4.21		5.57		3.40		5.87		5.58		8.03		4.25		7.56		2.02		6.30		2.59		59.81	
Hogsett	4.82	+0.98	5.58	+2.65	5.54	+1.66	3.81	+0.54	5.35	+1.67	3.58	−0.45	3.92	+0.04	1.48	−1.68	3.70	+1.52	1.51	−1.12	5.82	+3.14	2.19	−1.07	47.30	+7.85
Horner	3.58	−0.45	4.38	+0.73	3.13	−0.63	3.60	+0.24	4.61	−0.06	4.43	+0.13	6.60	+1.80	4.97	+0.09	7.17	+3.64	1.62	−2.07	5.62	+1.83	2.36	−1.17	52.07	+4.08
Ireland	2.69		3.23		2.47		*4.00*		5.02		3.39		9.27		4.66		6.78		2.01		4.81		3.41		51.87	
Knobly Mountain	1.67		2.29		2.66		2.35		4.39		2.47		6.04		4.50		7.64		0.89		4.28		1.87		41.05	
Kumbrabow St. Forest	4.28		6.68		5.98		3.57		8.28		4.47		9.24		2.57		8.29		2.28		7.60		*4.30*		67.54	
Midvale	6.34		4.31		4.00		3.81		7.30		4.02		5.79		3.65		8.04		2.36		7.55		2.91		60.08	
Mt. Clare	3.96		5.23		5.41		4.17		4.61		3.91		5.10		6.21		9.17		1.95		5.61		2.29		57.62	
Naoma	2.60		3.85		4.23		1.97		*5.50*		2.67		5.28		2.60		6.40		1.13		5.26		*2.50*		43.99	
Princeton	*2.20*		3.68		2.09		2.34		4.57		*4.80*		3.58		2.77		*5.30*		1.41		3.24		2.83		38.81	
Rockford	3.80		5.09		5.24		4.03		4.14		4.17		4.78		8.99		9.32		1.88		5.64		2.22		59.30	
Salem	3.82		4.98		5.67		3.58		4.54		4.85		4.82		3.88		13.35		1.80		5.88		2.78		59.95	
Shinnston	3.21		5.41		4.87		3.80		3.84		3.97		5.75		3.88		12.33		1.55		5.86		2.10		56.57	
Spruce Knob	2.24	−0.78	2.69	−0.07	3.77	−0.11	2.43	−1.15	4.02	−1.07	4.67	+0.04	6.66	+1.29	2.90	−2.75	7.12	+3.75	2.24	−1.09	4.15	+1.77	1.08	−1.31	43.97	−1.48
Valley Head	2.97		4.55		4.51		2.38		5.59		3.78		6.63		1.74		6.99		1.33		5.37		2.43		48.27	
Vandalia	3.43	+0.36	4.49	+1.47	2.16	−1.04	4.37	+0.67	4.02	+0.44	4.34	+0.53	3.28	+3.12	4.74	+0.54	6.19	+2.92	1.98	−0.99	5.87	+2.49	2.29	−0.11	52.16	+10.40
Wayne	4.36	+0.60	6.38	+3.46	5.82	+1.22	3.41	−0.25	5.65	+2.07	5.10	+1.08	4.29	−0.30	1.28	−2.97	4.01	+0.92	1.74	−1.14	5.20	+2.20	2.49	−0.63	49.70	+6.26

Monthly and Annual Mean Temperatures for the Year 1945, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.
Panhandle Division																										
Bayard	23.6	−5.2	30.2	+0.6	46.6	+8.9	50.1	+6.4	53.2	−3.2	62.8	−0.7	66.3	−1.3	65.5	−0.3	60.0	−0.9	46.6	−2.6	39.4	+0.3	24.0	−4.1	47.4	−0.1
Brandywine	27.4	−3.5	33.1	−1.6	50.6	+9.2	53.0	+3.1	58.4	−0.2	66.6	−0.4	69.8	−1.5	68.2	−1.7	65.4	+0.7	50.1	−3.2	46.2	+4.2	25.6	−8.6	51.2	−0.3
Great Cacapon	26.0		34.2		53.1		55.9		60.8		71.1		75.8		73.6		67.8		55.0		46.8		27.4		54.0	
Inwood	25.6		34.9		54.3		56.4		58.8		71.4		74.0		72.4		69.1		56.0		46.0		29.0		54.0	
Kearneysville	27.7	−6.2	34.0	+0.1	54.0	+12.0	55.6	+4.3	60.6	−2.8	72.4	+0.5	74.4	−1.7	71.8	−2.5	69.2	+1.7	54.2	−0.9	46.0	+1.0	30.2	−5.1	54.2	+0.1
Martinsburg	25.1	−5.9	31.1	−0.3	52.0	+10.4	54.8	+3.2	59.6	−3.2	70.6	−0.4	73.6	−2.1	72.0	−1.0	68.1	+1.2	53.4	−1.3	44.4	+1.2	28.3	−5.7	52.8	−0.3
McNeill	28.1	−2.9	34.4	+2.1	51.2	+10.2	54.6	+2.8	58.6	−1.6	67.9	+0.1	71.4	−0.2	70.2	−1.1	67.1	+1.3	52.2	−1.9	44.6	+2.2	29.0	−3.6	52.4	+0.6
Petersburg	29.4		36.8		54.5		55.6		59.2		69.4		73.3		71.0		68.2		54.2		45.0		29.6		53.8	
Piedmont	26.4	−4.5	32.6	−1.2	52.0	+10.8	54.4	+4.0	58.3	−1.7	68.4	+0.3	72.9	+0.6	70.9	+0.4	66.8	+1.1	53.6	+0.2	43.4	+1.2	28.4	−4.6	52.3	+0.5
Wardensville	26.4	−4.4	33.1	−0.7	51.2	+9.3	53.3	+3.7	58.0	−1.4	68.6	+3.1	72.0	+1.4	69.8	+0.3	67.6	+3.4	53.0	+0.4	43.9	+0.0	28.2	−5.5	52.1	+0.8
Northern Division																										
Benson	28.3	−5.8	36.4	−1.6	51.2	+10.9	56.1	+3.5	59.0	−1.8	68.8	+0.6	73.3	+0.8	71.4	+0.7	69.0	+2.1	53.2	+0.3	45.6	+2.5	30.6	−5.6	53.6	+0.6
Bens Run	27.5	−5.4	35.7	+2.9	50.8	+7.3	56.6	+3.8	58.4	−4.6	*71.0*	−0.5	74.6	−0.5	73.6	0.0	70.7	+2.3	54.8	−1.8	46.0	+1.9	30.0	−4.8	54.1	+0.1
Brandonville	22.0		30.0		48.4		50.4		52.8		62.6		67.8		63.9		62.2		47.4		39.4		22.7		47.5	
Brownsville	31.2	−3.4	37.2	−0.4	53.0	+11.1	57.6	+5.3	60.4	−1.2	70.0	+0.5	74.4	+0.6	72.6	+0.4	70.8	+3.2	55.2	+0.6	47.5	+2.9	30.6	−6.0	55.0	+1.1
Buckhannon	29.1	−3.4	37.4	+4.3	52.2	+10.3	55.6	+4.5	57.1	−4.0	66.6	−1.8	69.2	−2.6	67.6	−2.3	64.6	+0.1	52.1	−1.7	45.1	+2.9	29.8	−4.4	52.2	+0.2
Cairo	28.4	−6.0	35.8	+1.6	52.5	+8.2	57.2	+3.2	59.4	−3.7	69.2	−1.1	73.9	−0.4	71.8	−0.7	70.2	+2.1	54.8	−1.0	47.2	+3.5	30.4	−4.3	54.2	+0.1
Canaan Valley	25.3		29.5		47.6		51.2		53.2		62.1		65.4		62.4		61.8		47.0		41.2		23.6		47.5	
Clarksburg	25.8	−6.8	31.5	−3.1	49.8	+10.1	52.9	+1.7	55.8	−4.5	67.2	−2.2	70.9	−2.9	69.3	−2.7	66.7	−0.8	50.2	−3.2	43.0	+0.2	27.4	−7.8	50.8	−1.9
Creston	29.6	−4.5	37.8	+3.1	53.6	+9.6	57.2	+3.8	60.2	−2.9	69.4	−1.3	73.8	−0.9	72.5	−0.6	71.0	+3.2	55.0	−0.7	47.4	+3.2	30.8	−4.5	54.9	+0.7
Dam 10	26.0		32.0		48.8		53.8		55.6		68.4		72.0		69.8		67.0		51.6		43.7		28.2		51.4	
Elkins	25.3	−4.7	33.5	+2.5	50.0	+10.9	53.6	+6.2	55.0	−2.7	65.4	−0.2	69.0	−0.8	67.6	−0.7	65.6	+3.7	50.2	−0.9	42.5	+3.2	26.3	−5.4	50.3	+0.9
Fairmont	26.2	−6.0	34.5	+1.4	53.2	+11.7	57.8	+6.0	59.6	−2.5	70.5	+0.2	74.2	−0.1	73.3	+0.6	67.7	+0.3	*52.3*	−2.8	44.7	+1.8	29.4	−4.6	53.6	+0.5
Glenville	30.5	−3.3	38.0	+3.4	55.3	+10.6	58.9	+5.0	61.6	−2.0	71.2	+0.1	75.8	+0.5	74.7	+0.8	72.5	+4.0	56.6	+0.4	48.0	+3.7	32.3	−3.6	56.8	+1.7
Grafton	26.8	−5.8	35.2	+2.6	51.5	+10.0	55.0	+3.5	56.1	−5.4	66.8	−2.3	70.6	−2.0	68.6	−2.8	68.6	+1.5	53.4	−1.8	46.0	+2.9	30.6	−3.6	30.6	−3.6
Harrison County Airport	24.4		33.2		50.4		53.6		56.0		67.5		71.3		69.6		67.4		52.2		44.6		28.0		51.5	
Mannington	26.0	−5.9	34.8	+2.0	50.4	+8.1	55.1	+4.0	57.7	−2.7	68.0	+0.2	72.0	+0.2	70.2	0.0	67.1	+2.2	51.3	−2.3	43.6	+1.6	28.3	−5.3	52.0	+0.1
Middlebourne	25.6		33.5		51.6		54.4		57.9		68.6		71.7		71.4		69.6		53.7		45.3		29.3		52.7	
Morgantown	26.4	−5.9	34.9	+2.1	52.5	+10.4	56.1	+4.4	59.8	−2.3	68.6	−0.7	72.8	−0.7	71.4	−0.6	69.0	+1.5	54.2	−1.0	45.8	+2.0	29.0	−5.4	53.4	+0.3
New Cumberland	22.0	−6.6	31.5	+2.4	47.8	+8.4	54.0	+4.8	57.8	−2.4	67.8	−0.4	73.5	+0.5	72.4	+1.6	67.7	+2.2	51.6	−2.4	41.8	+0.2	26.9	−4.8	51.2	+0.3
New Martinsville	27.0	−6.1	35.9	+2.4	52.8	+9.5	57.4	+4.3	60.0	−3.0	71.0	−0.1	75.2	0.0	73.8	+0.1	70.6	+2.1	54.0	−2.9	45.3	+0.5	30.0	−5.3	54.4	+0.1
Parkersburg	27.2	−5.3	35.0	+0.8	53.8	+11.0	56.8	+3.4	59.6	−4.2	70.2	−1.2	74.5	−0.9	73.8	−0.1	70.7	+3.4	55.5	−0.6	46.6	+2.8	29.8	−5.4	54.4	+0.2
Parsons	26.5	−8.0	34.4	+2.7	50.9	+10.4	54.5	+5.3	57.0	−1.8	67.4	+0.5	71.4	+0.6	69.6	+0.2	67.4	+3.7	51.5	0.0	43.4	+2.2	27.8	−4.5	51.8	+0.9
Pickens	20.2	−10.7	29.0	−2.9	44.7	+5.5	47.9	−0.2	50.1	−8.0	60.0	−4.9	63.8	−4.8	61.4	−5.1	59.8	−2.0	45.0	−6.7	36.2	−4.2	25.9	−6.3	45.3	−4.2
Rowlesburg	27.4		35.3		51.3		55.6		56.8		68.2		72.6		72.0		68.7		54.0		46.0		29.2		53.1	
Valley Chapel	29.4	−5.7	37.6	−0.9	53.4	+10.9	58.0	+4.9	61.2	−0.4	70.8	+1.2	75.1	+1.1	73.2	+0.7	71.7	+3.7	54.6	−0.8	47.2	+2.2	31.3	−6.2	55.3	+0.9
Wellsburg (near)	24.6	−5.6	33.5	+3.5	49.7	+9.9	54.8	+5.2	57.4	−2.8	67.7	−0.3	72.2	0.0	71.0	+0.7	67.7	+2.8	51.4	−1.9	43.1	+1.3	27.7	−4.7	51.7	+0.6
Weston	30.4	−3.7	38.2	+4.3	55.1	+11.3	58.3	+5.5	61.6	−1.1	71.8	+1.4	74.7	+0.3	73.9	+1.2	71.9	+4.6	56.4	+0.9	48.8	+4.8	31.0	−4.8	56.0	+2.0
Wheeling (Dam 12)	26.0	−4.4	33.1	+1.0	49.8	+9.3	54.6	+3.0	57.0	−4.8	68.7	−1.9	74.0	−0.8	73.6	+0.8	69.2	+1.8	53.6	−1.3	44.8	+2.6	28.2	−4.4	52.7	+0.1
Southern Division																										
Alderson	*31.3*		34.8		*52.5*		58.2		*57.9*		*69.5*		73.2		72.6		68.0		54.6		46.5		30.2		54.1	
Athens	31.0		36.8		52.5		54.4		56.0		66.1		71.2		70.0		66.5		53.4		45.0		28.3		52.6	
Bluefield	33.4	−1.5	38.9	+4.1	55.3	+10.9	57.1	+3.5	58.2	−3.4	67.9	−2.2	72.0	+0.4	70.7	+0.2	68.6	+2.4	54.2	−1.5	46.8	+1.9	29.0	−7.9	54.3	+0.5
Charleston	30.6	−7.3	37.0	−2.2	54.6	+7.2	58.8	+2.5	61.5	−3.9	71.8	−1.3	75.6	−1.3	74.5	−0.8	71.8	+0.9	56.8	−2.0	47.6	−0.3	31.1	−8.5	56.0	−1.4
Charleston (Airport)	30.0		37.6		54.6		57.4		59.6		70.6		74.2		74.0		71.4		55.5		46.4		31.4		55.2	
Cranberry Glades	24.7		31.0		46.1		49.0		50.6		59.7		63.2		62.2		61.0		46.5		38.8		23.8		46.4	
Flat Top	26.1		33.0		48.8		51.0		52.4		62.6		66.3		66.0		63.7		49.1		40.6		25.0		48.7	
Gary	33.0	−2.1	39.8	+1.9	53.8	+11.3	56.2	+2.8	58.2	−2.9	68.7	−0.6	72.6	−0.5	71.8	−0.2	69.6	+1.1	53.9	−1.7	46.6	+1.6	32.0	−5.8	54.6	+0.3
Greenbottom	29.5		36.8		53.2		57.4		59.8		70.2		74.4		74.4		70.5		55.3		46.8		*32.0*		55.0	
Hamlin	29.6		36.4		52.0		56.3		59.6		69.4		73.1		72.4		69.0		53.8		45.6		30.4		54.0	
Hinton	31.9	−2.6	38.8	+3.3	53.8	+9.7	57.0	+3.8	59.0	−4.4	70.0	−0.5	74.2	−0.2	73.2	−0.1	70.2	+2.2	55.2	−1.8	46.6	+2.5	29.4	−6.4	54.9	+0.4
Huntington	31.5	−2.5	40.0	+5.3	57.0	+12.0	60.8	+6.2	62.8	−1.9	72.2	−0.7	77.0	+0.4	75.9	+1.1	73.0	+4.0	58.2	+1.8	49.2	+4.9	33.0	−2.7	57.6	+2.4
Logan	33.7	−5.3	39.2	−0.3	56.0	+8.9	59.2	+1.9	60.8	−6.2	72.2	−1.4	76.4	+0.4	74.9	−0.1	72.4	+2.0	56.2	−3.9	49.8	+2.5	33.8	−5.3	57.0	−0.6
London Locks	33.5		40.8		55.8		59.0		60.8		72.0		75.7		75.0		72.6		57.1		47.9		33.5		57.0	
Madison	*31.9*	−4.7	38.0	+1.4	54.6	+11.9	58.0	+3.7	58.8	−5.0	69.2	−3.1	*74.5*	−0.3	73.0	−1.4	71.0	+3.3	56.5	+0.9	*48.9*	+3.4	*30.6*	−4.1	55.2	+0.4
Oak Hill	28.9		34.0		51.0		53.2		55.6		66.0		69.4		69.2		65.9		50.8		44.6		28.4		51.4	
Pineville	34.8		40.8		56.0		59.3		62.0		72.0		74.2		74.0											
Point Pleasant	30.4	−3.7	37.6	+4.2	55.0	+9.8	59.4	+4.5	62.5	−2.2	71.5	−0.9	76.4	0.0	75.4	+0.7	72.8	+6.9	56.5	+0.7	48.4	+2.9	31.6	−4.2	56.5	+1.5
Ravenello	27.4	−5.0	34.3	+0.8	50.0	+10.7	53.6	+5.4	55.6	−2.5	64.8	−0.7	69.5	0.0	68.0	−0.3	66.4	+3.5	50.2	−0.6	41.8	+1.5	25.8	−7.4	50.6	+0.4
Ravenswood (Dam 22)	28.5	−6.9	34.0	−4.8	50.8	+7.5	56.8	+3.0	56.2	−5.7	70.9	+0.4	72.5	−2.6	71.0	−1.9	68.0	+1.6	53.0	−3.3	43.8	−1.9	29.0	−8.9	52.9	−2.2
Richwood	27.8	−6.6	33.6	−0.9	54.2	+13.4	55.6	+5.7	58.6	−1.6	64.2	−4.2	71.0	−0.8	*68.8*	−1.6	70.9	+6.2	*49.2*	−3.5	42.2	−0.2	26.5	−8.6	51.9	−0.2
Spencer	28.7	−5.0	34.8	−0.4	53.8	+10.9	56.6	+3.8	58.8	−3.2	69.2	−0.5	73.2	−0.4	71.4	−0.9	68.9	+2.4	53.3	−1.6	45.6	+1.5	29.2	−7.3	53.6	−0.1
Summersville	26.2		32.4		50.1		52.4		54.8		65.2		67.6		67.2		65.3		49.5		42.3		26.1		49.9	
Sutton	31.4	−2.9	37.7	+1.6	53.8	+9.6	58.2	+5.4	60.5	−2.8	71.2	−0.1	74.2	−0.6	73.6	+0.5	72.0	+3.3	55.4	−1.3	48.4	+4.4	32.0	−3.2	55.7	+1.2
Union	29.6	−3.7	35.2	0.0	50.2	+6.8	52.4	+0.6	55.4	−5.5	66.6	−1.2	70.2	−1.4	68.6	−1.6	66.3	+0.2	51.5	−2.9	43.4	+1.0	27.4	−6.6	51.4	−1.2
White Sulphur Springs	32.4	+0.3	38.3	+2.8	53.4	+10.8	55.7	+4.3	59.2	−1.3	69.2	+1.2	73.2	+1.6	72.0	+1.7	70.2	+5.3	53.8	+1.4	45.7	+3.6	29.8	−3.3	54.4	+2.4
Williamson	34.6	−1.4	41.4	+4.0	56.7	+10.0	59.8	+4.3	61.4	−3.6	72.8	+0.2	76.2	+0.1	75.8	+1.0	73.2	+3.5	58.1	−0.3	49.2	+3.6	34.0	−3.6	57.8	+1.6
Winfield Locks	30.2		35.8		53.6		57.2		59.4		70.4		74.8		73.9		71.4		55.6		47.4		30.4		55.0	
Average for State	**28.4**	**−4.2**	**35.5**	**+2.1**	**52.1**	**+9.6**	**55.5**	**+3.7**	**57.9**	**−3.9**	**68.3**	**−1.5**	**72.2**	**−1.0**	**71.0**	**−0.8**	**68.4**	**+2.1**	**53.1**	**−1.5**	**44.9**	**+1.7**	**28.9**	**−5.6**	**53.0**	**0.0**

Reference letters indicate number of days missing, for example, [b] 2 days, etc. Italic figures indicate values interpolated.

MONTHLY STATE DATA FOR 1945

Month	Temperature				Precipitation in inches				Sky			
	Average	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	Prevailing wind
January...	28.4	−4.2	60	−14	3.28	−0 29	12.3	15	5	7	19	w.
February..	35.5	+2.1	80	−13	4.36	+1.23	6.0	12	7	8	13	w.
March.....	52.1	+9.6	91	12	4.58	+0.64	1.2	12	12	9	10	w.
April.....	55.5	+3.7	92	12	3.37	−0.17	T.	10	11	11	8	w.
May	57.9	−3 9	95	19	5.01	+1.02	0.2	14	12	10	9	w.
June.....	68.3	−1.5	102	22	3.82	−0 63	T.	11	12	10	8	w.
July	72.2	−1.0	100	34	5.54	+0.90	0.0	12	12	12	7	w.
August	71.0	−0.8	98	31	3.72	−0.39	0.0	7	16	9	6	w.
September.	68.4	+2.1	98	34	7.18	+4.20	0.0	13	10	11	9	w.
October ...	53.1	−1.5	95	15	1.65	−1.20	T.	6	17	7	7	w.
November .	44.9	+1.7	84	4	5.29	+2.52	3.1	14	8	8	14	w.
December .	28.9	−5.6	62	−10	2.57	−0.71	11.3	13	6	7	18	w.
Annual....	53.0	0.0	102	−14	50.37	+7.20	34.1	139	128	109	128	w.

KILLING FROSTS—1945§

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Athens	May 20	Oct. 10	Lost River State Park	‡	Oct. 2*
Bayard	June 7	Oct. 4	Madison	May 1*	‡
Beckley	‡	Oct. 10	Mannington	May 2	Oct. 4
Benson	May 11	Oct. 4	Martinsburg	May 2	Oct. 4
Bens Run	Apr. 6*	Oct. 27*	McNeill	June 6	Oct. 4
Bluefield	Apr. 7*	Oct. 1*	Middlebourne	May 2	Oct. 27
Bluestone Dam	Apr. 19*	Oct. 27	Morgantown	Apr. 28	Oct. 4
Brandonville	June 7*	Aug. 27*	New Cumberland	May 3	Oct. 10
Brandywine	June 6	Oct. 4	New Martinsville	Apr. 17	Oct. 27
Brownsville	May 12*	Oct. 4	Oak Hill	May 2	Oct. 10
Buckhannon	June 6	Oct. 4	Parkersburg	Apr. 6	Oct. 27
Cairo	June 6*	Oct. 4*	Parsons	May 12	Oct. 4
Canaan Valley	June 7	Oct. 4	Petersburg	May 2	Oct. 3
Charleston	Apr. 19	Oct. 27	Pickens	June 6	Oct. 3
Charleston (Airport)	May 11*	Oct. 15*	Piedmont	May 2	Oct. 4
Clarksburg	May 3*	Oct. 4*	Pineville	May 1	‡
Cranberry Glades	June 7*	Aug. 27*	Point Pleasant	Apr. 19	Oct. 27
Creston	May 11	Oct. 10*	Rainelle	May 12	Oct. 4
Elkins	May 2	Oct. 11	Ravenswood	May 11	Oct. 4
Fairmont	May 2*	Oct. 11	Richwood	May 12	Oct. 4
Flat Top	June 6*	Oct. 9*	Rowlesburg	May 20	Oct. 27
Gary	June 11*	Oct. 27	Seneca State Forest	‡	Oct. 4
Glenville	June 6	Oct. 11	Shady Springs	June 6	Oct. 4
Grafton	May 25	Oct. 4	Spencer	Apr. 6	Oct. 27
Grantsville	Apr. 19*	Nov. 4*	Summersville	Apr. 8	Oct. 4
Great Cacapon	May 2	Oct. 3	Sutton	May 12	Oct. 14*
Greenbottom	May 12*	Oct. 27*	Terra Alta	May 25	Oct. 4
Hamlin	May 11*	Oct. 4*	Union	June 6*	Oct. 4
Harrison Co. Airport	June 6*	Oct. 13	Valley Chapel	May 2	Oct. 27
Hinton	May 1*	Oct. 27	Wardensville	June 6	Oct. 4
Huntington	Apr. 6*	Oct. 27	Wellsburg	Dec. 2	Oct. 21
Inwood	May 2*	Oct. 4	Weston	May 2*	Oct. 11*
Kearneysville	May 2*	Oct. 4*	Wheeling(Dam 12)	May 2*	Nov. 1*
Kumbrabow State F'st.	June 7	Oct. 4	White Sulphur Spgs	May 2	Oct. 4*
Logan	Apr. 7*	Oct. 27*	Williamson	Apr. 8*	Oct. 27*
London Locks	Apr. 6*	Oct. 27*	Winfield Locks	May 11	Oct. 27

§ Where frost was not recorded (*) indicates last or first temperature of 32° or lower.
‡ No record.

MONTHLY EVAPORATION FOR 1945

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg	Evaporation, inches	3.809	4.480	5.158	5.490	4.302	3.523	1.765
	Wind movement, miles	1,791	1,560	992	804	662	684	1,073
Wardensville	Evaporation, inches	.....	4.821	6.537	5.804	5.577	4.254	2.861
	Wind movement, miles	.....	1,722	1,044	863	616	657	921

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip.01 inch or more	Clear	Partly Cloudy	Cloudy
1891.....	52.0	94	−9	33.90	50.60	42.37	45.96	.....	.....	.....	.....	.....
1892.....	52.3	99	−12	32.70	41.43	37.06	38.33	.....	.....	.....	.....	.....
1893.....	52.0	99	−25	36.26	39.68	41.40	39.82	.....	116	.....	.....	.....
1894.....	53.5	103	−29	34.78	36.51	30.38	34.52	.....	102	155	114	96
1895.....	51.5	107	−21	32.18	31.53	34.38	32.82	.....	100	150	111	104
1896.....	53.6	97	−10	35.43	46.66	41.84	43.49	.....	111	132	128	106
1897.....	53.5	103	−18	35.02	46.15	40.47	41.59	.....	116	141	113	111
1898.....	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899.....	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900.....	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901.....	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902.....	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903.....	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904.....	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905.....	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906.....	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907.....	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908.....	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909.....	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910.....	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911.....	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912.....	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913.....	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914.....	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915.....	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916.....	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917.....	**50.1**	104	−37	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918.....	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919.....	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920.....	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921.....	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922.....	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923.....	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924.....	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925.....	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926.....	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927.....	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928.....	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929.....	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930.....	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931.....	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932.....	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933.....	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934.....	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935.....	53.0	101	−23	40.29	52.33	52.64	**51.13**	41.3	145	130	90	145
1936.....	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937.....	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938.....	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939.....	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940.....	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
1941.....	53.4	105	−11	29.51	39.45	33.72	35.97	27.8	115	145	106	114
1942.....	53.0	103	−23	43.95	50.84	47.24	48.42	41.9	136	120	114	131
1943.....	52.5	105	−17	30.89	44.05	38.99	40.08	34.9	126	136	110	119
1944.....	53.0	105	−15	37.64	50.03	41.02	44.78	42.1	135	132	107	127
1945.....	53.0	102	−14	42.63	55.19	46.42	50.37	34.1	139	128	109	128
Period.....	53.0	112	−37	37.17	45.46	42.76	43.17	34.2	123	145	95	125

(Continued from page 49)

AUGUST.—Rainfall was greatly deficient in counties bordering the Ohio River. The smallest monthly total was 0.81 inch at Wheeling. Smaller deficiencies were recorded throughout the Southern division. However, in the north-central part of the State, it was very wet with plus departures of two to four inches. The greatest monthly total was 9.23 inches at Hackers Creek. On the 2d, a flash flood cost two lives by drowning in Cabin Creek. Considerable damage was done to homes, crops, highways and gas lines. Also the excessive rains of the 1st-2d over the small drainage basins of Joe's Run, Big Run, Little Mill Creek from Big Run to Elk Fork and from Elk Fork to Tug Fork gave these streams the highest stages of record. Across the divide, Cedar Creek (Little Kanawha Drainage Basin) also rose rapidly but crested below the disastrous August 1943 crest. Damage amounted to $15,000 in the Cedarville area and $150,000 in Jackson County. On the 24-25th, the West Fork River at Clarksburg forced twenty-five families to move. Ample moisture was available for crop use in practically all localities except those immediately contiguous to the Ohio River where drought conditions set in during July and were continuing at the close of August. Corn made good growth and much was denting near the close. Oats and commercial potato harvests were finished; record cuttings of alfalfa and clover hays were reported; nearly all peaches were gathered and a small crop of fall apples was being picked at the close.

SEPTEMBER.—It was the wettest September of record. Extremely heavy rain on the evening of the 23d and morning of the 24th caused damage estimated at $35,000 to the village of Wick, in Tyler County. On the 17th a storm brought the New River at Hinton to the highest stage recorded for several years. The weather during the month was favorable for rapid growth but not for harvesting or seeding.

OCTOBER.—Killing frosts occurred in the northern part of the State on the 4th while on the 27th killing frosts were general. Average temperature for the month was slightly below normal. Precipitation averaged slightly more than one-half the normal; since most of it fell in the first decade, it seemed like an unusually dry October although there were 14 years of record in which average precipitation was less. The corn crop matured during the month. The final harvest of apples, soybeans and late garden stuff was completed. Much seeding of wheat and rye was made before the close.

NOVEMBER.—It was the second wettest November of record. All sections had nearly twice the usual November rainfall. On the 29th, heavy

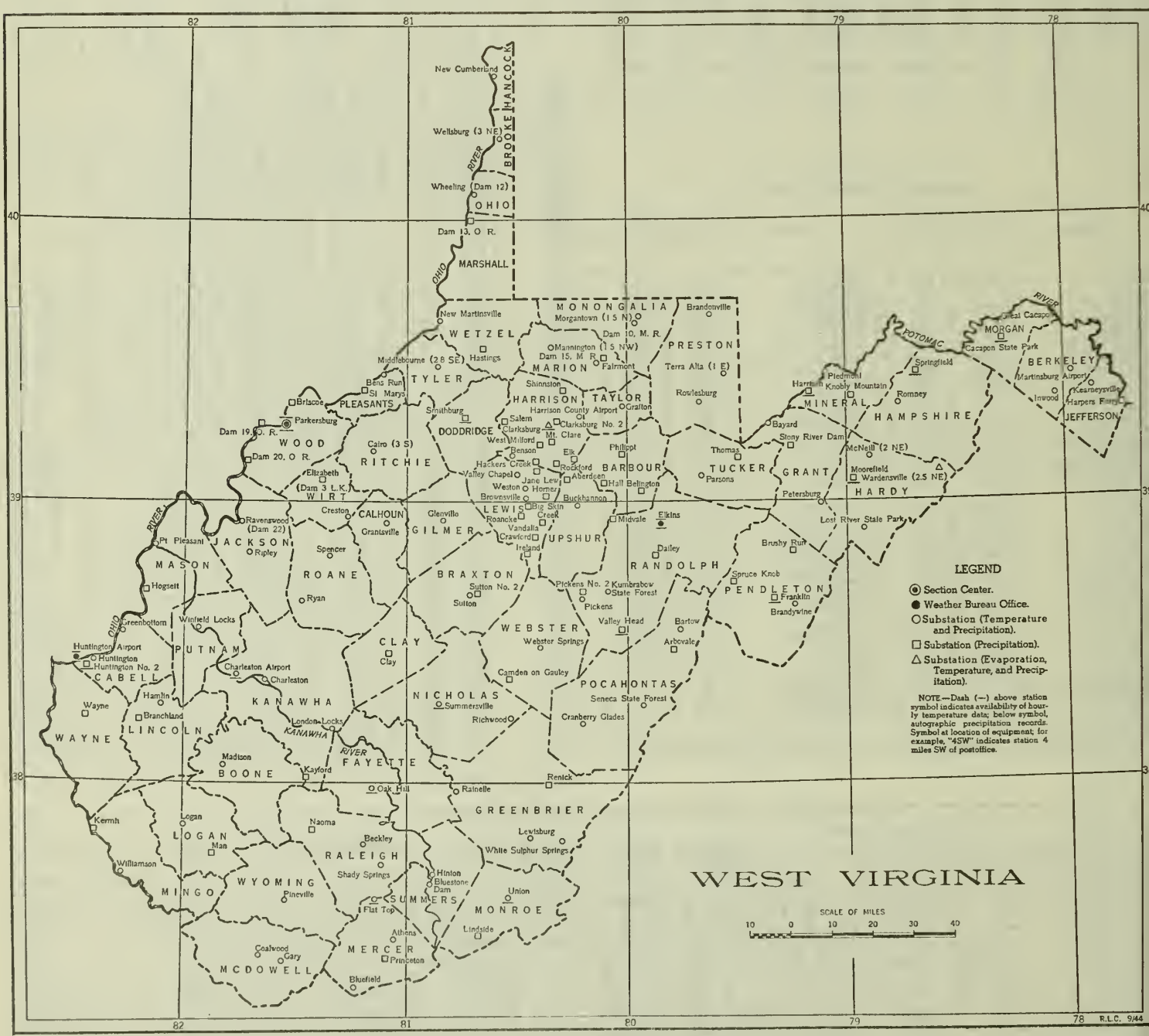
(Continued on page 54)

(Continued from page 53)

snows made driving hazardous in the mountain sections of Randolph County. Foretastes of winter conditions were had on the 4-5th, 15-16th and the 21st-27th. Ample soil moisture was a great help to wheat and other fall-seeded grains. However, many farmers were late with their corn cutting and some were unable to get their wheat sown. Dry feeding of stock became necessary early in the month and farm work was on winter routine by the 15th. Trees and shrubbery were dormant throughout the month. Farm butchering was becoming general during the last week of the month.

DECEMBER.—Cold and rather dry. Snowfall was much above normal and especially so in the Southern division. Zero (or lower) temperatures were recorded at several places. Some difficulty in automobile travel was experienced due to icy road conditions on the 6th and 20th. Winter grains were not protected by snow cover during the freezing period with the result that there was some damage by heaving. Trees and bushes remained dormant and were in good condition at the close.

CHART SHOWING LOCATION OF OBSERVATION STATIONS



(W. B. O., Philadelphia, Pa.—7-19-46—1200.)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

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PARKERSBURG, W. VA.

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GENERAL SUMMARY

January was quite warm, the mean temperature being 2.0° above normal. The stations with minus departures were but few and widely scattered. The highest temperature, 80°, has been exceeded only twice in the 51 years of record. The warm periods were: 4-12th; 18-20th; and 30th-31st. The cold periods were 1st-2d; 14th-17th; 22-23d; and 27-28th. Zero or lower temperatures were recorded at 1 station on the 1st, 1 on the 2d, 2 on the 16th, 4 on the 22d, 24 on the 23d, 6 on the 24th, 5 on the 27th, and 11 on the 28th.

Precipitation averaged 67 percent of normal. Approximately one-half of this fell as snow. The greatest number of snow-lying days was 20 at Flat Top. The greatest depth of snow on the ground at any time was 16.0 inches at Kumbrabow on the 1st-2d. There was very little ice in the Ohio River during the month although some of the small headwater streams were frozen. There were no floods.

Farm work remained on winter routine throughout the month. Precipitation was mostly adequate for agricultural purposes. However, in several localities, snow cover was absent on the coldest nights and some damage to alfalfa and wheat roots from heaving was reported. Trees, bushes, and grasses remained fully dormant throughout the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 34.6°, or 2.0° above the normal. The mean for the northeastern panhandle division was 33.0°; for the northern division, 34.3°; and for the southern division, 35.5°. The highest monthly mean was 39.6° at Hinton and London Locks; and the lowest, 28.5° at Cranberry Glades. The highest temperature was 80° at Winfield Locks on the 9th; and the lowest, −18° at Cranberry Glades on the 23d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 129 stations, was 2.38 inches, or 1.17 inches below the normal. In the northeastern panhandle division, the average was 1.44 inches; in the northern division, 2.05 inches; and in the southern division, 3.37 inches. The greatest monthly precipitation was 5.47 inches at Kumbrabow, and the least, 0.73 inch at New Cumberland. The greatest amount in any 24 consecutive hours was 2.40 inches at Kayford on the 8th. The average monthly snowfall was 6.0 inches, or 2.0 inches below the normal. The greatest monthly snowfall was 25.0 inches at Pickens No. 2. The average number of days with 0.01 inch or more of precipitation was 11.

ERRATA

October 1945, page 38, West Milford, precipitation departure −2.65. December 1945, page 46, precipitation departures: Dam 13, −0.82; Dam 19, −0.76; Dam 20, −0.69; Philippi, −1.67.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	1	4	4	..	3	8	3	3	1	1	1	..	..	..	1	..	..	1	2	..	..	..	..	2	..	1	1	1	1
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	5	3	..	1	9	11	1	1	2	2	4	6	9	1	4	3	1	8	5	2	1	2	1	2	4	1	..	2	3	1	28
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	1	3	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..
Thunderstorms	..	..	..	..	..	..	7	..	3	..	..	..	..	..	..	..	..	..	..	4	9	..	..	1	1	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.52	29	29.54	25	8.2	26	se.	5	84	62	66	40	910
Columbus, Ohio	30.53	29	29.51	25	11.9	38	sw.	31	86	67	74	44	1016
Elkins	30.57	29	29.63	31	8.8	38	w.	25	83	51	67	35	984
Huntington Airp't.	30.53	22	29.61	25	.....	25	s.	5	84	63	70	....	906
Parkersburg	30.53	29	29.59	25	7.5	24	sw.	9	77	56	64	44	898
Petersburg, W. Va.	30.55	29	29.58	25	.....	37	nw.	19	70	51	62	..	919
Pittsburgh, Pa	30.52	29	29.54	25	12.2	38	w.	31	79	64	69	39	956

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	31.7	.....	.....	3.24	4.23	3.24	3.64	.....	.....	.....	.....	.....
1892	29.4	76	−3	2.95	3.57	2.66	3.15	.....	11	.....	.....	.....
1893	22.6	71	−25	2.26	2.87	2.02	2.49	.....	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	.....	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	.....	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	8	14
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2 67	2.98	2.92	12.8	11	12	7	12
1909	36 8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	71	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1 86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4.82	0.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	8.50	0.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	19
1940	20.5	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	−6	2.15	3.03	2.59	2.73	5.1	12	5	7	19
1942	30.7	67	−23	1.64	2.09	2.10	2.02	5.6	8	10	8	13
1943	35.6	80	−9	3.28	3.78	3.03	3.43	13.4	14	6	9	16
1944	33.2	79	−13	2.12	1.96	2.28	2.11	5.9	7	11	9	11
1945	28.4	60	−14	2.20	3 70	3.20	3.28	12.3	15	5	7	19
1946	34.6	80	−18	1.44	2.05	3.37	2.38	6.0	11	9	8	14
Period	32.6	83	−34	3.04	3.80	3.53	3.55	8.0	12	9	7	15

Climatological Data for January 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days			Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																			
Bayard	Grant	2,375	43	29.6	+0.8	63	6†	−11	23	2.11	−2.39	0.34	8	12.0	14	10	5	16	w.	Howard R. Fnik
Brandywine	Pendleton	1,586	30	30.9	+0.0	64	6	−11	23	2.09	−0.25	0.55	21	12.0	9	11	4	16	n.	E. L. Keister
Great Cacapon	Morgan	500	2	38.6	.....	72	6	− 6	23	1.36	.....	0.70	12	2.5	2	7	14	10	w.	Ronald Reeder
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	1.65	−1.06	0.60	21	4.5	9	.	...	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	34.0	.....	66	6	− 2	23	1.14	.....	0.52	31	2.0	5	13	8	10	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	34.8	+0.9	64	6	− 1	23	1.23	−1.55	0.59	21	2.5	7	9	13	9	s.	University Exper. Station
Martinsburg	Berkeley	435	54	32.8	+1.8	64	6	− 2	23	1.06	−1.45	0.42	21	2.7	8	12	9	10	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	860	12	35.1	+4.1	72	6	−12	23	0.79	−1.59	0.27	21	2.0	5	9	9	13	w.	R. E. Saville
Petersburg	Grant	1,029	7	35.4	...	72	6	− 7	23	0.90	.....	0.38	11	3.2	9	3	9	19	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	32.0	+1.1	70	6	− 5	23	1.72	−0.80	0.56	21	6.5	6	9	9	13	nw.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	2.47	−0.34	0.40	12	12.0	10	2	11	18	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	33.6	+2.8	68	6	− 5	23	1.06	−1.07	0.33	12	3.9	7	17	4	10	nw.	Reymann Memorial Farm
Northern Division																			
Aberdeen, 2 miles NE	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	1.63	−1.77	0.65	7	3.0	11	4	11	16	w.	L. Esle Bond
Benson	Harrison	1,080	21	36.2	+2.1	74	9	4	23	2.33	−1.28	0.75	7	6.5	14	9	11	11	.....	R. D. Marts
Bens Run	Pleasants	652	45	36.1	+3.2	72	6	8	22†	2.01	−1.97	1.02	7	1.9	13	19	4	8	.	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	30.6	.....	72	9	−15	23	2.00	.....	0.54	7	5.5	10	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	22	37.6	+3.0	75	6	2	28	1.91	−1.68	0.76	7	4.2	10	13	4	14	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	55	35.2	+2.7	71	6	3	28	2.10	−2.39	0.69	7	5.6	15	8	10	13	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	40	36.4	+2.0	75	7	3	23	1.96	−1.99	0.86	7	0.4	14	9	8	14	....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	30.8	.....	59	7†	−11	23	2.54	.....	0.50	1	14.5	12	5	14	12	w.	George B. Thompson
Clarksburg	Harrison	1,015	23	32.3	−0.3	73	6	5	23	1.99	−1.32	0.54	8	3.2	13	11	7	13	w.	Clarksburg Water Board
Creston	Wirt	640	45	37.0	+2.9	77	9	4	23	2.53	−1.40	0.80	7	1.5	12	9	9	13	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	33.5	.....	72	6	6	23	2.04	−1.15	0.62	7	2.2	12	13	2	16	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	...	.....	.....	.....	.....	1.70	−1.52	0.52	7	1.0	12	...	.	....	..	Lockmaster
Dam 19 O. R	Wood	600	29	.....	....	.....	.....	.....	.....	1.97	1.44	0.98	7	1.0	12	.	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	2.41	−1.21	1.29	7	.....	13	.....	....	.....	..	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	2.03	−1.74	0.72	7	0.5	9	.	.....	.....	..	Lockmaster
Elkins	Randolph	1,927	47	33.2	+3.2	68	6	− 2	28	1.81	−1.97	0.65	8	7.4	16	4	8	19	w.	U. S. Weather Bureau
Fairmont	Marion	883	54	35.0	+2.8	75	7	5	23	1.73	−2.20	0.68	7	1.3	11	8	5	18	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	37.7	+3.9	76	9	5	28	2.52	−1.91	0.71	8	3.5	11	7	13	11	w.	Howard R. Brannon
Grafton	Taylor	1,050	52	34.7	+2.1	71	6†	3	23	1.57	−2.00	0.51	7	2.1	13	14	5	12	.....	L. W. Clayton
Grantsville	Calhoun	760	2	35.8	.....	75	6†	4	23†	2.30	.....	1.00	7	2.3	9	10	11	10	...	Roy Morrison
Harrison County Airport	Harrison	1,188	6	33.4	.....	73	6	5	23	1.50	.....	0.81	7	4.0	11	6	4	21	s.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	2.30	.....	0.90	7	1.9	12	11	7	13	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	1.61	−1.65	0.60	7	2.5	12	...	.	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	44	34.5	+2.6	73	6	0	23	2.23	−1.89	1.01	7	3.4	16	9	8	14	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	5	35.2	.....	75	6	6	22†	1.80	.....	0.87	7	0.2	8	12	3	16	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	70	35.5	+3.2	73	6†	5	22	1.88	−1.58	1.06	7	1.5	12	6	15	10	..	State Dairy Farm
New Cumberland	Hancock	671	51	30.2	+1.6	58	6†	0	27	0.73	−2.11	0.20	12	2.8	10	13	3	15	se.	C. O. Valentine
New Martinsville	Wetzel	637	52	35.6	+2.5	74	6	6	28	1.67	−2.31	0.62	7	1.1	10	11	9	11	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	36.0	+3.5	74	6	9	22†	2.10	−1.48	1.10	8	2.7	12	7	9	15	se.	Section Center
Parsons	Tucker	1,649	47	34.8	+0.3	71	6	2	23	2.18	−2.43	0.53	7	11.0	15	3	12	16	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	1.61	−2.53	0.32	8	6.6	13	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	33.8	+2.9	63	9	7	23	4.93	−1.39	0.92	7	24.7	16	8	7	16	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	1.79	−1.81	0.80	7	5.5	11	9	3	19	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	61	34.3	.....	74	6	2	23	2.20	−2.71	0.43	8	12.5	10	7	0	24	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	...	.....	.....	.....	.....	2.25	−1.49	1.05	7	.....	9	.	.....	..	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	2.84	−1.14	0.47	8	15.0	13	.....	.....	.....	...	W. Sleeman
Valley Chapel	Lewis	1,011	22	32.5	−2.6	74	6†	5	23†	2.11	−1.43	0.60	7	6.2	14	8	11	12	w.	Roscoe H. Jackson
Welsburg, 3 miles NE	Brooke	668	53	32.0	+1.8	70	6	−11	23	0.94	−2.11	0.43	21	3.0	6	10	3	18	.....	George P. Pister
West Milford	Harrison	979	20	.....	.....	.....	.....	.....	.....	2.45	0.62	0.78	7	2.5	15	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	38.1	+4.0	75	9	5	23†	2.53	−1.58	0.78	8	7.1	16	0	17	14	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	32.5	+2.1	69	6	1	23	0.87	−2.03	0.21	12	5.2	11	9	5	17	sw.	Lockmaster
Southern Division																			
Alderson	Greenbrier	1,570	....	35.1	...	69	6	− 4	23	4.46	...	1.25	8	19.2	11	2	10	19	.....	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	2.74	−0.07	0.96	7	7.0	10	7	8	16	w.	H. S. Sutton
Athens	Mercer	2,600	6	35.0	.....	68	6	0	23	4.25	.....	1.32	7	8.5	19	8	9	14	nw.	Concord College
Bluefield	Mercer	2,558	51	36.2	+1.3	69	9	7	23	5.36	+2.35	1.41	7	10.9	19	12	4	15	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	59	36.4	−1.5	78	9	5	28	2.28	−1.75	0.98	7	3.3	10	14	3	14	...	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	37.2	.....	78	9	3	27	2.72	.....	1.85	7	1.5	11	7	6	18	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	28.5	.....	58	9	−18	23	4.56	...	1.60	7	13.1	19	9	5	17	w.	Department of Justice
Flat Top	Mercer	3,235	8	31.4	.....	65	9	−2	23†	4.63	.....	1.56	7	11.7	19	5	14	12	nw.	U. S. Airway Station
Gary	McDowell	1,426	29	36.0	+0.9	75	9	7	23	5.15	+1.70	1.70	8	7.5	16	..	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State Forest Nursery
Hamlin	Lincoln	641	3	35.6	.....	78	9	−5	27	2.85	.....	1.40	7	1.8	7	15	4	12	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	34.6	+0.1	71	9	−1	23	3.09	−0.15	0.90	8	8.4	11	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	39.0	+5.0	76	6	6	27	2.87	−0.92	2.05	7	3.0	13	8	6	17	nw.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	4.59	+0.37	2.40	7	....	6	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	33	37.8	−1.2	79	9	8	28†	4.02	−0.40	1.26	8	4.5	14	13	5	13	.....	J. W. Rniff
London Locks	Kanawha	623	11	39.6	.....	77	9	9	28	3.14	.....	1.25	8	5.5	12	8	1	22	se.	Lockmaster
Madison	Boone	675	25	.....	.....	.....	.....	.....	.....	3.37	−0.73	1.63	7	.....	6	9	11	11	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	33.8	...	69	9	4	23	3.41	.....	0.78	7	12.0	15	12	3	16	.....	M. H. Martin
Pineville	Wyoming	1,350	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	56	37.7	+3.6	72	9	9	22	2.12	−1.83	0.77	7	0.7	12	12	3	16	e.	E. C. Winger
Ravenswood (Dam 22)	Jackson	584	31	34.3	−1.1	68	6†	7	23	1.63	−1.97	0.70	7	23.5	22	7	5	19	.....	L. G. Swing
Richwood	Nicholas	2,193	15	.....	.....	...	.....	.....	.....	2.48	−1.57	0.94	7	....	9	9	3	19	sw.	Lockmaster
Ripley	Jackson	610	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	2.0	8	14	7	10	.....	Richwood Lt. & Pwr. Co.
Ryan	Roane	700	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Seneca State Forest	Pocahontas	2,650	7	30.6	.....	55	6†	−13	28	3.51	....	1.38	7	6.0	14	10	2	19	nw.	Daniel C. Ryan
Spencer	Roane	789	47	36.2	+2.5	75	9	6	22†	2.20	−1.81	0.82	7	3.5	10	6	10	15	..	Supt., State Forest
Summersville	Nicholas	1,900	10	32.8	.....	68	9	−7	28	2.59	.....	0.75	7	10.0	11	3	14	14	.....	A. M. McKown
Sutton	Braxton	850	43	38.2	+3.9	73	9†	0	28	2.70	−1.84	0.94	8	7.0	13	16	14	1	.	A. E. Dorsey
Union	Monroe	2,200	42	31.9	−1.4	66	9	−2	23	3.85	+0.70	1.25	7	7.0	11	6	0	25	.....	C. B. Eakle
Webster Springs	Webster	1,500	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	C. B. King
White Sulphur Springs	Greenbrier	1,914	32	35.2	+3.1	67	9†	−5	23	3.65	+0.32	1.23	7	9.0	11	0	3	28	w.	Mrs. Vergie Kessler
Williamson	Mingo	673	45	38.2	+2.2	75	6	10	28‡	1.34	+0.39	1.39	8	8.2	13	13	4	14	nw.	Ashford General Hospital
Winfield Locks	Putnam	571	8	35.8	.	80	9	5	28	2.77	....	0.95	7	2.5	13	9	9	13	w.	Norfolk & Western Ry.
State averages and extremes			...	34.6	+2.0	80	9	−18	23	2.38	−1.17	2.40	8	6.0	11	9	8	14	w.	Lockmaster

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Figures and letters after name of station indicate distance in miles and direction from place named. Reference letters indicate number of days missing: for example, ᵃ one day, ᵇ two days etc. † Also on other dates. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

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Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.20	.05		T.			.32	.34	.04	.13	.08	.28	.07		T.						.25	T.			.20	.02	.05			.08		2.11
Brandywine	do							.45		.11		06	.22								.10	.55					.50			.06	.04	2.69
Bushy Run[2]	do							.13	.08	.02	T.		.25								T.	.29			T.		.03				12	0.92
Harpers Ferry[2]	do	.14					05	.10	.03	T.	.20		.27									60					.15				.11	1.65
Inwood	do							.08		.14												.40							T.	T.	.50	.02	1.14
Kearneysville	do							.11	T.	.15		.02	.19								T.	.59				.05			.12		1.23
Knobly Mountain[2†]	do	T.	T.				T	.06	T.	13		.23	.13									.30			T.		T				.05	1.37
McNeill†	do			T.			0	.08	.10				.26								.03	42			T.	T.	01			.05		1.06
Petersburg	do	T.	T.	T.		T.	.10	.09	.09		.38	T	T	T.		T.		T.				.27								.08	T.	0.79
Piedmont	do.	T					.11	.35	.18	T.		.49									.03	.06		T.	.03	T.	T.			.11	.01	0.90
Romney	do																					.56			T							1.72
Spruce Knob[2†]	do	.09	.07				.28	.32	.27	.18		.36	T					T.			T.	.20	T.			.04		.12			.04	.37	2.34
Stony River Dam[2†]	do.	.35					.34	.28	.10	.12		.40										.35				.20		.15				.18	2.47
Wardensville[2]	do						.03	T.	.05	.08	T.	.33										.31						.11				.15	1.06
Northern Division																																	
Aberdeen†	West Fork	.05	T	.04			T	.65	.17	T	T	T	.08	.03		T.					.01	.25	T.			.14	T.	.11			.10		1.63
Bellington[2]	Tygart	.28	.01	T	.05			.23	.52	.01	.01	.01	.14	.06	T.		T.				T	.16	.04	T.		.21	T.	.08	T.			.15	2.05
Benson	West Fork	.10		.08				.75	.35	.10	.10	.10	.05								.05	.26			.20	.05	.04			.10		2.33
Bens Run	Ohio	.09		.05			.03	1.02	.15	.03	.04	.12	.01									.20			.05	.04					.15		2.01
Big Skin Creek†	West Fork	.30		.03	.05		.15	.58	.13													.22	.02		.03		.04					.07	1.66
Brandonville[2]	Cheat	.18	T.		.20			.54	.18	.03	T.		.33		.04							.02				.22					T.	.26	2.00
Brownsville†	West Fork	.06	.08	.08				.76	.21			.04										.35				.10		.09			.14		1.91
Buckhannon	Tygart	.11	.03	.08				.69	.25	.04	.02	.10	T	.11		T.		T.			T.	.29	T		.06	.11	.01	.15			.05		2.10
Cairo	Litl.Kanawha	.02	.01	08	.01		.03	.86	.23	.12			.10								.01	.28	.01		T.	.10					.10	T.	1.96
Canaan Valley	Cheat	.50						.44	.08	.05	.08	.32	.15									.10				.36		.08			.20	.18	2.54
Clarksburg[2]	West Fork	.10	T.	T.	.05			.45	.54	.07	.10		.12									.17	.05			.15		.04			*	.15	1.99
Crawford	do	.04		.05				.69	.13	T.		02	.01	T.		T.						.29	T			.12		.14			.18		1 67
Creston	Litl.Kanawha	.09	.01		.06			.80	.65	.12			15	.02	T.			T.				20	.20			.08	T	T.				.15	2.53
Daileyt	Tygart	.36	.02	T.	.04			25	.35	T.	.04	T.	.13	T.	T.		T.	T.	T.		.02	.11	T.	T.		.09		.09	T.			.30	1.74
Dam 10, Mon. R.[2†]	Monongahela	.22	.03					.62	.45	.03	10		.33	.04		T.						.04	.07			.05	T.					.06	2.04
Dam 13, O. R.[2†]	Ohio																																
Dam 15, Mon. R.[2†]	Monongahela	.13	.03		T.			.52	.41	.03	.08		.25	.03	T.					.01	T.	.15	T.		.05	.04	.06	T.		T.	.21	.17	1.81
Dam 19, O. R.[2†]	Ohio	.03	.03	.02	.06			.98	.20	.17	.03		.16	T.							T.	.02	.05			.07							.08	1.70
Dam 20, O. R.[2†]	do	.06	T.	.02	.02			1.29	.30	.20	.03		.20	.02							T.	.10				.07					.07		1.73
Elizabeth (Dam 3)[2]	Litl.Kanawha				.18			.72	.35	.10			.20								T.	.09	.02			.06	T.				T.	.12	1.97
Elk†	West Fork							.76	.23	.40											.03		.10								T.	.10	2.41
Elkins[1†]	Tygart	.13	.05	.01	T	T.	T.	.65	.02	.05	.02	15	.04	T.		T.	T.	T.		.01	T.	.15	T.		.30	.20			.20		.10	.25	2.03
Fairmont[2]	Monongahela	.05						.68	.30	.07	.10	T.	.19								.01	.18			.01	.07	T.			T.	.21	.17	2.09
Glenville[2]	Litl Kanawha	.14	T.	*	.22			.16	.71	.14			.18									.21	T.			.28		.31				.19	1.81
Grafton	Tygart	.06						.51	.25	.09	.03		.14		.02	.01					.01	.21				.05		.10			.09		1.73
Hackers Creek†	West Fork	.11						.79	.27	.05												.65				.06					.05		2.52
Hall[2]	Tygart	.17	.04		.04			.38	.44	.03	.02	T.	.12	.09	T		T.				T.	.16	T.			.18	T.	.13	T.			.09		1.57
Harrison Co. Arpt.[4]	West Fork	.08	T.	.01			T.	.81	.09	.07	T.	.11	.04	T.		T.					.09	.04	T.		.04	T.	T.				.12		1 98
Hastings	Ohio	.63		.04			01	.90	.15	.12			.32		.07	01						.27				.22	T.				.16		1.89
Horner	West Fork			.03				.75		.18		.10																					1.50
Ireland	do	.12	12					.22	.18	.12		T.	08	.10								.10				.05					.50		2.30
Jane Lew	do	.06	T.	.03				.60	.28	.03	T.	.03	05			T.										.15	T				.09		1.71
Kumbrabow St. For.†	Tygart	.80		.90			.04	1.18	.02	.10	.04	.05	.33	.07		T.	.09		T.		T.	.27	T.			.12	.03	05			.06		1.18
Mannington	Monongahela	.05	.01	.03	T.		.01	1.01	.19	.13	.01	.05	.18	.08		T.					T.	.30		.06		.36	25	.21	.11		.41	.15	1.61
Middlebourne[2]	Middle Is.Creek	T.	T.					.87	.18	.14	T		.18	T								.20			.01	.12	.02				.13		5.47
Midvale[2†]	Tygart	.34	.19	T.	.05			.36	.41	T.	.01	T.	.08	T.	T.		T.	T.			T.	.04	.31	T.		.17		.17	.01			.15	2.23
Morgantown	Monongahela	.03		.05				1.06	.09	.09	.01	.26	.04			.02						.15			.03		T.				.05		1.80
Mt. Clare	West Fork	.03		.02				.67	.22	.06			.15									.22				.08	.04	.03			.10		2.28
New Cumberland	Ohio	.02					.03	.13	.02	.02	.03	T.	.20									.13			.05				T.		.10		1.88
New Martinsville	do	.18	T.	T.	T.		.02	.62	.08	.10	T.	.06	.14	T		T.						.20				.11							1.62
Parkersburg[1†]	do	.05		.05			.05	1.09	.14	.04	T.	.18	T.	T.							T.	.10	.18		.08	.01					.16		0 73
Parsons	Cheat	.27	.01	03	T.			.53	.16	T	.02	04	.20	06								.48	T.			.14	.04	.05			.13		1.67
Philippi[2]	Tygart	.23	.06		.02			32	.38	.02	T.	T.	.04	.02	T.		T.				T.	.07	.12	T.		.17	T.	.09	T.		.14	.01	2.10
Pickens	do	.57	.08	.02	.17			.92				.24	.18	.10				T.				.60	.04		.16	.50	.10	.30			*	.95	2.18
Roanoke	West Fork	.05			.06			.80	.20		.05	.04	.05					T.				.24				.10		.03			.17		4.93
Rockford†	do		.20	.09	T			.69	.21	.05		.07	T					T.				.40				.16		.06			.24		1.79
Rowlesburg[2]	Cheat	.40	.40		T.	T		.29	.43	T.	.06		.22	T.		T.						.14			.20	T.	T.	T.			.06		2.17
Saint Marys[2]	Ohio	.08	T.					1.05	.21	.11			.18								T.	.24	.06			.17						.15	2.20
Salem	West Fork	.06		.06			T.	1.03	.12	.17	T.			.15	T.						T.	.24				.17							2.25
Shinnston	do	.05		.12				1.07		.15	T.										T.	.24				.14							1.97
Thomas[2]	Cheat	.38	38	T.				.27	.47		07		.32		.05							.51	T.			.10				.02			2.02
Valley Chapel	West Fork	.26	10	.04	T.			.60	.28	.05	T.	.02	.07	.05		T.		.05			.02	.31	.05	T.		.23	T.	.15				.11	2.84
Valley Head[2]	Tygart	.18	14		.04			.40	.87		.03		29	T.	T.		T.	T.	T.		T	.05	06			.25	T.	.15	T.			.33	2.11
Vandalia†	West Fork	.06						.73			.18		.07									.28				.12		.10			.12		2.79
Wellsburg (near)	Ohio	T.						.13		.11	T		.21									.43		.01							.15		1.69
West Milford	West Fork	.05		.08	.05			.78	.28	.11	.04	.08	.16		.05							.25		.09		.18	.10				.05		0.94
Weston[2]	do	.18	.12		.08			.16	.78	.08	.04		.10	.11							.03	.20	.10			.22	.04	.14				.15		2.45
Wheeling (Dam 12)[2]	Ohio	.09						.04	.05	.06	.02		.21	.02							T.	.12	.15			.04							.15	2.53
Southern Division																																	07 0.87
Alderson	Greenbrier	T.	T.	.02	.30	.17	T.	.50	1.25	.20	T.		.45																				
Arbovale	do	.10		T.		1	.05	.96	T.	.14		.40		T.				.75				.08				T.		T.			.10	.64	4.46
Athens	New	.01		.40	.05		.02	1.32	.52	.02		.37	.04	T.		T.	.04	.44			T.	.40				.10		.10			.41	.08	2.74
Bluefield	New	.45		.10	.17		.01	1.41	.64	.07		.38	.09		.03	.05	.40				T.	.08	.01		.01	.03	.01	15			.30	.43	4.25
Camden-on-Gauley[2]	Gauley	.14	.02	.04	12			.89	.61	.03			.19	.03			.06					.08			.02	.08		.05	.25		.26	.52	5.36
Charleston	Gr. Kanawha	.06	T.	T.	.11		T.	.98	.53	.12			.01	T.									.04			.11		.12				.34	2.74
Charleston Airport)[4]	do	T	T.	.10			T.	1.85	.04	.06	T.	.07	T.		T		T.		T.	.17	.09			.03	T.	.08	.04		T.	.19		2.72
Clay	Elk	.30	.04	.10	.20			.50	.80	.12	.03		.10					.03				.21	T.			10	.01	.15			.08	.09	2 85
Flat Top[1]	New	.07	T.	.31	.07		.05	1.56	.21	.15	T.	.38	.09	.05			.28	.25			T.	.16			.01	.06	.01	.03			.41	.45	4.63
Gay[2]	Big Sandy	.14	.04	.04	.45	.02	.01	1.06	1.70	.09			.26		T.		.50	T.				.04				.03		.05			.18	.54	5 15
Greenbottom†	Ohio																																
Hinton[2]	New	.03	T.	.03	.12				.90	.19			.53									.18				.02					.24	.38	3.09
Logsett[2]	Ohio	.03	T.		.10		T.	.94	.50	.15	.02		.12	T				.47				.12	.03			.05					.07	.20	2.33
Huntington	do	.02		.03			.02	1.85	.20	.08		.04	.02									.17		T.	.02	.05	.06				.31		2.87
Kayford[2]	Gr. Kanawha	.77						2.40										.20							.62		.20				.40	4.59
Lewisburg	Greenbrier																																
Logan[2]	Guyandot	T.	.03	.03	.28		T.	1.11	1.26	.08	T.	T.	.10									.35	.03	T.		.05		14			.20	.24	4.02
London Locks[2†]	Gr. Kanawha	.14	T.	.05	.23			.50	1.25	.08			.07	T.			T					.23	.05			.05		.16			T.	.33	3.14
Madison[2]	Coal							1.63	1.07	.10																.26			.14		.17		3.37
Oak Hill[2]	New	.18	.05	.33	.19			.78	.72	.02			.10									.19	.01			.11		.25			.04	.35	3.41
Pineville[2]	Guyandot																																
Point Pleasant[2]	Ohio	.05	T.	T.	.02	T.	.12	.77	.33	.24	.02		.17									.12	T		.02		T.			.18	.08	2.12
Princeton[2]	New	.01	.01	.30			.24	1.51	.02			.37	.01		T.	.20					.01	T.		.01		.07		.05		.02	2.83
Rainelle	Greenbrier	.30	.08	.24	.05	T.	.07	1.50	.14	.17	.01	.16	.12	.06			.54			.02	.28	.05		T.	.15	T.	12	.10	.08	.30	.21	4.78
Ravenswood[2]	Ohio	.05			.05			.70	.32	.15			.06								.12									.03	.15	1.63
Richwood[2]	Gauley						.26	.94	.29	.36											.20	.10			.18		.15					2.48

Continued on next page.

Daily Precipitation for January 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																					.45			.08		.11				.10	.22	3.51
Seneca State Forest†	Greenbrier	.06		.05	.03		.11	1.38	.13	.35			.09	.35								.20			.06	.06					.02		2.20
Spencer[2]	Litl.Kanawha	.16		T.	.25		T.	.82	.42	.12	T.		.09	T.								.04						.40			.05	.10	2.59
Summersville[2]	Gauley	.50		.10	.30			.75	.10				.15					.10				.28			.20		.20			.30		2.79
Sutton	Elk	.20		.21	.06			.94	.06	.05		.05	.05	T.				.10				.05					.10				.10	.76	3.35
Union[2]	New				.15			.30	1.25	.05	.05		.55					.55			.27				.10		.17				.25		3.13
Wayne[2]	Twelvepole	.07			.07			1.47	.55	.18																							
Webster Springs	Elk																					.11			T.		T.				.45	.44	3.65
White Sulp'r Spgs.	Greenbrier			.07	.05	T.	.04	1.23	.33	.13		.26						.54				.32			.02		.15				.22	.18	4.34
Williamson[2]	Big Sandy	.07		.08	.31			1.12	1.39	.10			.11					.27				.13			.02	T	.12		1		.05	.27	2.77
Winfield Locks[2†]	Gr. Kanawha	.10	T.	T	.10			.95	.92	.05	.02		.03	.01																			

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station: precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville. Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for January 1946

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	27	19	37	43	53	63	58	55	63	59	39	47	35	34	34	23	31	38	39	31	35	31	37	34	40	42	28	33	40	48	50	40 2
	Minimum	12	11	4	31	25	37	34	44	11	34	25	33	15	10	21	3	13	23	18	16	18	4	—11	0	18	26	10	— 5	15	35	33	19.1
Beckley	Maximum																																
	Minimum																																
Bluefield	Maximum	29	28	34	48	54	*68*	63	62	69	67	39	49	*38*	44	44	36	30	41	40	*32*	40	35	39	39	39	41	*40*	40	42	53	53	44 4
	Minimum	18	13	24	33	41	*30*	52	53	56	39	31	37	*20*	17	32	20	17	23	34	*28*	23	15	7	26	23	38	*15*	12	19	35	39	27.9
Brandywine	Maximum	28	32	41	52	57	64	61	60	57	58	42	48	38	40	31	43	42	50	44	42	45	34	40	35	38	46	42	40	47	42	52	44.9
	Minimum	13	5	10	20	27	45	44	42	40	35	18	28	16	7	3	12	15	16	25	11	14	12	11	0	7	11	2	— 9	5	28	32	16.9
Buckhannon	Maximum	32	35	39	48	60	71	65	59	70	58	51	54	44	39	36	39	36	45	44	49	37	35	39	43	39	45	32	37	43	54	54	45.5
	Minimum	17	11	17	34	31	50	48	46	46	38	30	37	21	8	22	9	26	24	25	19	31	9	5	11	22	29	9	3	12	34	32	24.4
Cairo	Maximum	35	30	38	51	65	72	75	55	74	74	45	52	43	43	44	36	41	50	50	52	49	32	41	44	37	40	35	42	45	51	58	48.4
	Minimum	19	12	24	34	28	38	41	45	43	40	30	41	23	11	21	12	18	18	25	22	32	7	3	16	25	30	8	5	12	33	40	24.4
Charleston (Airport)	Maximum	28	34	40	54	68	76	61	55	78	52	54	53	35	46	40	36	42	53	42	49	38	23	46	43	48	48	29	43	44	59	59	47 6
	Minimum	24	10	27	39	33	48	52	52	51	40	33	38	17	14	25	18	22	23	30	30	23	9	8	20	27	23	3	5	15	40	30	26.7
Clarksburg[3]	Maximum	32	30	38	45	60	73	56	48	71	43	52	45	32	40	35	34	37	46	30	50	34	20	37	39	42	35	24	36	42	55	51	42.3
	Minimum	21	18	18	29	30	29	43	44	43	39	31	32	24	14	15	13	15	26	29	20	20	8	5	6	18	24	13	6	8	14	36	22.3
Cranberry Glades	Maximum	24	25	34	39	48	55	54	54	58	55	33	44	32	38	33	26	35	42	37	31	34	29	40	36	39	39	28	37	34	43	48	35.8
	Minimum	10	7	8	29	25	45	40	37	44	32	25	30	13	7	18	8	14	20	26	19	19	6	—18	— 1	17	25	9	— 13	5	28	29	18.2
Elkins	Maximum	24	26	35	46	57	68	61	56	66	48	44	51	34	44	37	37	36	45	42	41	37	24	43	42	47	45	26	39	45	55	53	43.7
	Minimum	14	13	13	33	34	51	51	48	47	36	28	34	18	12	15	7	25	27	23	23	23	4	0	13	21	19	4	— 2	14	35	24	22.8
Fairmont[3]	Maximum	35	23	30	40	40	65	75	55	58	72	45	52	44	31	41	34	43	47	45	51	40	30	43	44	39	44	29	41	45	53	56	44.8
	Minimum	24	18	19	31	31	39	50	42	42	40	32	34	23	14	23	13	23	26	23	21	30	8	5	16	25	27	10	10	16	33	32	25 2
Flat Top	Maximum	25	30	32	45	50	58	54	57	65	58	36	46	32	42	35	24	32	40	40	30	33	29	41	37	37	39	24	36	37	48	49	40 0
	Minimum	12	9	18	32	33	47	51	49	50	32	28	32	15	12	24	15	14	19	30	21	20	8	— 2	16	18	24	11	— 2	13	31	28	22.8
Gary[3]	Maximum	26	35	39	52	68	70	59	70	75	49	51	43	34	50	42	35	39	49	43	42	40	*29*	49	42	45	43	34	45	50	59	53	47.1
	Minimum	21	15	22	31	30	30	52	53	49	45	32	34	24	15	15	25	22	15	15	25	29	18	7	8	25	26	20	8	8	15	38	24.9
Glenville	Maximum	36	34	39	64	61	64	75	61	76	68	48	51	50	47	38	42	44	50	48	53	46	29	47	44	42	48	31	42	45	57	58	49.6
	Minimum	19	18	22	29	36	38	47	49	45	40	32	35	23	13	22	13	26	22	28	23	31	10	6	16	25	30	15	5	13	34	36	25.8
Grafton	Maximum	33	27	37	47	64	71	71	59	69	45	48	41	42	44	29	41	41	48	33	51	36	*31*	40	45	40	38	25	38	45	55	46	44.5
	Minimum	18	18	18	34	32	44	48	44	45	38	30	39	21	12	21	10	25	21	22	21	31	8	3	17	24	*25*	11	6	15	34	37	24.9
Hamlin	Maximum	*33*	35	40	54	75	75	61	62	78	49	54	42	*36*	47	42	38	44	54	48	52	38	*33*	46	42	48	38	30	45	44	60	46	48.0
	Minimum	23	10	14	34	27	32	51	50	47	40	30	36	22	11	19	18	19	18	24	27	33	7	5	11	24	27	— 5	— 1	7	17	40	23 1
Huntington	Maximum	36	34	40	57	69	76	66	52	75	60	50	53	39	48	40	39	46	54	47	53	45	31	48	40	47	46	31	45	42	61	61	49.4
	Minimum	24	12	30	39	36	47	52	46	47	41	36	39	22	18	29	18	25	30	31	28	31	12	11	25	27	28	6	8	17	37	36	28.6
Logan[3]	Maximum	*35*	35	39	50	62	75	62	62	79	*57*	54	46	*36*	40	43	42	41	54	48	40	40	*36*	45	43	44	40	31	46	46	58	66	48.0
	Minimum	26	18	18	34	32	33	60	51	51	45	34	36	28	18	19	25	24	20	22	30	36	16	12	12	29	29	17	8	8	18	44	27.6
Madison[3]	Maximum																																
	Minimum																																
Mannington	Maximum	32	27	36	47	64	73	69	52	70	65	45	52	41	40	39	34	40	47	45	51	46	32	40	42	37	45	31	40	43	54	57	46.3
	Minimum	18	18	20	32	27	37	43	41	42	38	28	39	21	10	22	9	16	19	20	20	31	6	0	10	27	30	3	4	10	28	35	22.7
Martinsburg	Maximum	28	30	36	47	57	64	62	51	46	55	38	48	45	39	40	27	41	49	46	24	40	32	30	32	41	47	31	39	44	39	51	41.9
	Minimum	21	15	21	22	29	55	51	42	40	39	29	35	22	19	19	10	16	30	24	17	17	6	— 2	4	21	25	15	7	29	32	28	23.8
Morgantown	Maximum	35	25	37	47	64	73	66	52	71	73	47	51	41	40	38	35	39	45	44	47	44	34	41	43	41	41	26	40	44	51	50	46.0
	Minimum	16	16	18	35	43	53	47	38	41	37	28	32	20	13	25	11	21	26	18	18	28	5	6	27	22	21	7	14	19	34	36	25 0
New Martinsville	Maximum	33	30	37	48	66	74	64	53	70	62	45	51	43	42	40	35	42	49	45	51	46	30	42	41	38	43	29	42	45	51	56	46 6
	Minimum	18	17	24	34	30	54	45	40	42	39	30	39	22	15	24	14	14	21	20	21	27	7	6	19	27	20	7	10	16	31	30	24.6
Parkersburg	Maximum	27	29	40	50	65	74	57	50	71	47	52	53	30	43	37	35	43	51	42	50	35	21	42	42	45	44	28	44	44	58	57	45.4
	Minimum	19	16	27	40	43	53	50	43	44	35	33	30	20	17	20	17	20	30	24	23	18	9	9	29	26	18	12	14	22	37	28	26.6
Petersburg	Maximum	30	32	39	51	60	72	67	51	63	57	42	54	43	47	48	31	45	53	47	31	40	31	33	27	52	49	34	48	47	51	56	46.0
	Minimum	21	19	20	28	37	58	50	45	43	37	27	41	23	16	18	10	18	32	26	18	17	— 1	— 7	3	24	25	19	10	23	39	30	24.8
Pickens	Maximum	*26*	35	35	50	53	62	60	59	63	56	*50*	32	34	48	34	38	33	51	38	40	38	36	46	40	38	41	26	35	49	52	50	43.5
	Minimum	12	12	24	33	28	42	41	48	54	50	30	22	18	10	13	*8*	18	24	28	28	10	8	7	19	37	25	12	8	10	34	30	24.0
Point Pleasant	Maximum	35	31	39	53	67	70	70	53	72	62	46	52	44	43	43	37	41	51	51	51	45	32	42	42	43	42	31	42	42	57	57	47.9
	Minimum	20	12	27	38	34	42	48	44	43	40	33	42	21	17	29	18	20	29	30	25	29	9	10	26	26	29	11	10	17	36	36	27.5
Rainelle	Maximum	27	29	33	44	53	64	56	58	65	60	37	42	35	42	36	29	39	46	42	36	34	31	36	36	41	40	29	39	39	39	47	41.4
	Minimum	15	4	10	31	25	45	39	43	50	35	28	34	16	29	21	15	17	20	30	23	23	9	—11	14	20	25	12	— 7	7	32	33	22.2
Spencer[3]	Maximum	*30*	33	41	52	64	73	69	62	75	43	53	43	*33*	43	37	35	51	38	34	48	35	*32*	42	42	47	35	*32*	41	58	47	49	45.7
	Minimum	19	9	21	34	39	42	51	47	46	39	31	33	20	12	33	15	23	28	15	23	32	6	6	31	24	32	13	35	12	39	19	26.7
Summersville[3]	Maximum	22	29	36	44	61	66	59	60	68	*55*	47	39	*30*	43	37	38	37	48	38	41	*31*	*29*	44	40	47	36	26	40	45	54	47	43.1
	Minimum	14	2	6	26	32	40	48	48	55	37	28	30	17	9	15	10	22	23	25	31	29	8	1	10	20	25	13	— 7	7	37	40	22.6
Sutton	Maximum	35	35	38	54	63	72	72	66	73	73	58	50	48	46	46	40	40	51	51	45	45	41	42	44	47	47	45	40	43	58	58	50.5
	Minimum	20	15	20	35	33	50	48	48	47	40	30	35	23	12	22	14	26	17	29	24	33	10	4	14	25	32	16	0	11	34	40	26.0
Wardensville[3]	Maximum	29	30	40	54	66	68	65	55	61	52	59	48	33	42	40	28	44	51	35	*31*	44	20	35	35	51	44	33	47	46	56	56	45.1
	Minimum	28	19	14	22	28	33	47	48	42	42	25	29	24	14	19	8	10	21	31	22	17	19	— 5	1	9	31	10	2	16	33	28	22 2
Weston	Maximum	*34*	30	42	50	66	74	62	*59*	75	*48*	54	48	*43*	45	35	36	40	46	36	52	38	*30*	44	45	48	44	*35*	38	45	58	60	47.1
	Minimum	24	19	25	37	35	56	59	50	46	40	32	43	24	14	24	14	27	30	33	24	*30*	10	5	18	25	*35*	14	5	15	38	52	29.1
Wheeling[3]	Maximum	*34*	31	40	48	65	69	52	44	68	46	50	43	*32*	42	35	36	41	47	30	47	35	*22*	38	40	41	30	30	39	42	51	41	42.2
	Minimum	19	13	12	30	35	35	44	36	36	40	31	32	21	19	20	14	15	24	18	19	22	5	1	17	23	25	3	18	18	18	40	22.8
Williamson[3]	Maximum	*35*	36	39	55	69	75	62	60	80	*50*	55	47	39	40	46	45	44	57	43	50	40	*33*	46	44	52	43	37	49	47	58	54	49.4
	Minimum	25	17	17	34	32	36	54	54	50	44	34	36	26	19	19	26	25	19	19	29	33	16	13	13	28	28	19	10	10	10	41	27.0

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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VOL. LIV FEBRUARY 1946 No. 2

GENERAL SUMMARY

Temperature and precipitation averages were both nearly normal. The average temperature, 35.9°, was 2.5° above normal. However, the stations in Harrison, Lewis, and Upshur Counties, and a few widely scattered ones elsewhere had small minus departures in temperature. The warm periods were: 14th, 17-18th, 26-28th. The cold periods were: 3d-4th, 11-12th, 15-16th, and the 25th. Minimum temperatures of zero or lower were recorded at three stations on the 12th, three on the 15th, and one on the 16th.

Precipitation averaged very nearly normal in each of the three divisions. It was well distributed both as to amounts and as to days. Approximately one-third of it fell in the form of snow. Snowfall also averaged very close to the normal amount. The greatest amount of snow on the ground at one time was 12 inches at Spruce Knob on the 11th, 12th, and 13th. The greatest number of snow-lying days was 18 at Spruce Knob. The rivers had several moderate rises but no flood stages occurred during the month. The ground-water table remained fairly high all month and there was no lack of water for farm or domestic supplies.

Farm work remained mostly on a winter routine during the month. However, on some of the warm sandy soils, quite a bit of plowing was accomplished. The early vegetable sections were busy with their cabbage plants. Hotbeds and cold frames were very busy during the last decade. Winter grains and grasses remained in mostly good condition, and fruit trees were still dormant at the end of the month.

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 35.9°, or 2.5° above the normal. The mean for the northeastern panhandle division was 34.3°; for the northern division, 35.0°; and for the southern division, 37.5°. The highest monthly mean was 40.7° at Williamson and the lowest, 30.1° at Bayard. The highest temperature was 75° at Williamson on the 13th and the lowest, −4° at Brandywine on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 131 stations, was 3.23 inches, or 0.10 inch above the normal. In the northeastern panhandle division, the average was 2.28 inches; in the northern division, 3.67 inches; and in the southern division, 2.93 inches. The greatest monthly precipitation was 6.07 inches at Hackers Creek, and the least, 1.04 inches at Man. The greatest amount in any 24 consecutive hours was 1.40 inches at Cairo on the 5th. The average monthly snowfall was 7.7 inches, or 0.5 inch below the normal. The greatest monthly snowfall was 27.0 inches at Pickens and Spruce Knob. The average number of days with 0.01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense				1	3	1	1		2	1	2	1	3						2				3				1				
Frosts killing																															
Gales	8	14	2		2	13	15	2				3	7	21	28	1	3	2	5	13	3	1	1	4	2	5	1				
Hail																															
Halos, lunar							1					1	1		1		2														
Halos, solar																					1										
Sleet			1	9	2			1	6			1							9	2											
Thunderstorms																				1											

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.58	3	29.26	13	8.7	34	nw.	14	80	61	66	50	738
Columbus, Ohio	30.63	3	29.22	14	12.6	58	sw.	14	81	66	71	56	862
Elkins	30.60	3	29.39	14	9.3	36	w.	15	83	66	71	42	881
Huntington Airp't.	30.59	3	29.41	14	.....	31	w.	14	77	59	64	....	754
Parkersburg	30.63	3	29.29	14	8.0	34	w.	14	71	56	57	45	782
Petersburg, W. Va.	30.63	4	29.40	14	.....	35	w.	7	70	50	56	....	794
Pittsburgh, Pa	30.64	4	29.26	14	12.8	47	nw.	15	76	66	70	16	844

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	38.1	.....	.....	2.09	5.23	5.79	5.39	.....	.....	.....	.....	.....
1892	37.1	72	−12	1.82	2.62	2.61	2.30	.....	9	.....	.....	.....
1893	35.0	71	−6	3.68	5.11	4.68	4.81	.....	12	.....	.....	.....
1894	33.4	74	−5	3.25	3.89	4.09	3.99	.....	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	.....	7	10	9	9
1896	33.4	62	−5	3.39	3.31	3.30	3.31	.....	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	.....	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	.....	9	10	8	10
1899	26.1	69	**−35**	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	0.31	0.97	0.95	**0.86**	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	9	8	11
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	**−5**	2.80	5.13	3.59	4.16	3.4	13	7	8	**13**
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	0.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	−5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	−3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	0.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	0.59	1.04	1.02	0.96	9.3	8	8	8	12
1942	29.3	66	−14	1.50	2.51	2.14	2.22	6.9	10	8	6	14
1943	34.6	76	−13	1.09	2.14	1.90	1.89	5.7	11	8	9	11
1944	37.3	79	−13	2.67	3.72	4.23	3.77	3.8	12	8	8	13
1945	35.5	80	−13	2.71	4.66	4.65	4.36	6.0	12	7	8	13
1946	35.9	75	−4	2.28	3.67	2.93	3.23	7.7	11	10	7	11
Period	33.4	86	−35	2.38	3.26	3.22	3.13	8.2	10	8	7	13

Climatological Data for February 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	30.1	+0.5	58	26	2	15	3.59	+0.09	0.65	13	16.0	12	10	3	15	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	30	33.2	−1.5	69	27	−4	12	2.17	+0 41	1.00	11	17 0	7	18	1	9	n.	E. L. Keister
Great Cacapon	Morgan	500	2	36.6	....	65	13	8	4	2.81	.....	1.22	20	9.0	5	12	6	10	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	57	... ..	.....	.....	.....	.....	.....	2.59	+0.33	1.00	20	7.3	8	....		..	...	Miss Eleanor White
Inwood	Berkeley	569	13	35.0	.....	73	27	11	4	1.73	.....	0.56	19	13.0	7	11	10	7	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	35.6	+1.7	74	27	10	11	2.22	−0.14	0.43	20	7.7	11	14	5	9	w.	University Exper. Station
Martinsburg	Berkeley	435	54	33.2	−1.8	70	27	9	11	2.14	-0.26	0.69	19	13.7	9	11	11	6	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	36.0	+3.7	70	27	5	11	1.48	−0.65	0.48	10	8.0	5	10	10	8	w.	R. E. Saville
Petersburg	Grant	1,029	7	36.6	..	72	26	8	12	1 60	....	0.66	20	12.1	9	8	9	11	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	34.6	+0.8	59	26	10	15	2.68	+0.44	1.20	20	19.5	9	9	7	12	nw.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	....	....	.....	.....	*3.76*	+0.91	*0.80*	19	23 0	13	3	9	16	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	28	34.1	+0.3	71	26	8	11†	2.08	+0.37	0.83	20	11.8	8	....	.....	....	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	22	... ..	...	...	.....	.....	.....	3.96	+0.86	0.83	5	8.1	12	6	9	13	w.	L. Esle Bond
Benson	Harrison	1,080	21	36.2	−1.8	64	17†	6	12	4.24	+0.53	1.00	5	8.5	13	8	10	10	.....	R. D. Marts
Bens Run	Pleasants	652	45	36.3	+3.5	62	27	9	15	2.77	−0.34	0.98	5	1.1	9	14	2	12	....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	30.7	.....	62	28	0	15†	1.59	.....	0.68	20	2.0	7	....	.....	....	....	James I. Galloway
Brownsville	Lewis	1,032	22	38.2	+0.6	63	14	0	12	3.61	+0.54	0.66	5	12.5	11	11	7	10	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	55	35.2	+2.1	60	14†	3	12	4.12	+0.36	0.89	5	7.9	15	11	7	10	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	40	37.5	+3.3	65	27	10	15	3.96	+0.99	1.40	5	0.9	12	7	9	12	....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	31.6	.....	55	27	0	15	3.46	.....	0.47	5	22.5	16	8	12	8	w.	George B. Thompson
Clarksburg	Harrison	1,015	23	33.0	−1.6	61	26	9	16	3.33	+0.29	0.72	6	4.5	13	8	6	14	w.	Clarksburg Water Board
Creston	Wirt	640	45	37.6	+2.9	64	27	7	12	4.19	+1.00	0.79	14	5.6	14	6	9	13	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	35.2	....	63	13†	9	16	2.87	0 00	0.79	6	1 7	11	13	2	13	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	2.52	+0.09	0.65	5	*2.0*	10	....	..	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	....	.....	.....	....	2.86	−0.13	0.77	5	1.3	12	....	...	..	..	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	....	....	....	....	3.36	+0.79	0.90	6	1.0	10	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	....	.....	.....	.....	3.80	+1.04	0.96	14	*2.0*	12	....	..	..	....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	36	.. ..	.....	.....	.....	.....	.....	3.00	+0.14	0.55	7	3 5	10	..	.....	....	....	Lockmaster
Elkins	Randolph	1,927	47	33.5	+2.5	60	26	3	12	3.25	+0.17	0.82	5	11.1	13	4	10	14	w.	U. S. Weather Bureau
Fairmont	Marion	883	54	37.8	+4.7	62	14	9	15	2.26	−0.76	0.80	13	1.0	10	9	3	16	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	.....	.....	.....	.....	Howard R. Brannon
Grafton	Taylor	1,050	52	35.3	+2.7	58	17†	9	15	3.27	+0.36	1.08	6	4.8	8	11	5	12	.....	L. W. Clayton
Grantsville	Calhoun	760	2	37.4	....	68	27	4	15	4.30	.....	1.00	5	6.2	8	10	12	6	....	Roy Morrison
Harrison County Airport	Harrison	1,188	6	34.2	.....	62	26	8	15	2.93	. ...	0.71	5	4.0	11	4	3	21	w.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	....	...	.....	....	.	3.20	−0.06	0.86	5	0.2	11	10	6	12	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	4.08	+1.31	0.83	5	9.0	12	.....	.....	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	44	35.0	+2.2	62	14†	8	3†	3.47	+0.57	0.80	5	3.5	15	7	5	16	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	5	35.8	...	63	13†	9	15	2.71	.....	0.75	6	T.	9	6	8	14	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	70	36.1	+3.3	61	14†	7	15	2.31	−0.25	0.86	5	0.5	13	5	15	8	....	State Dairy Farm
New Cumberland	Hancock	671	51	32.8	+3.7	57	14	9	15	2 93	+0.49	0.80	27	1.5	12	10	2	16	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	36.6	+3.1	62	14†	9	15	2.94	+0.10	0.83	5	1.5	10	9	8	11	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	37.2	+3.0	63	26	9	15	3.79	+0.66	1.53	5	2.3	11	6	8	14	se.	Section Center
Parsons	Tucker	1,649	47	34.0	+2.3	63	26	7	15	4.72	+0.11	0.87	19	14.0	15	6	11	11	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	..	3.88	+0.70	0.91	11	10.5	14	..	.....	..	..	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	35.0	+3.1	57	26	3	15	5.77	+0.68	1 02	5	27.0	14	7	8	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	22	.. ..	....	....	....	....	..	4.08	+0.70	0.95	5	10.5	11	9	9	10	...	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	61	37.4	.....	62	13†	9	15	3.84	+0.19	0.87	20	9.0	10	6	0	22	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	35	... ..	.....	....	....	....	....	3.39	+0.46	0 91	6	.....	12	....	.....	....	....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	4.29	+0.73	1.01	20	18.5	13	.....	.....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	22	36.6	−1.9	63	26†	4	12	4.27	+1.20	0.88	5	7.0	12	11	7	10	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	33.6	+3.6	62	14	6	3	2.91	+0.72	0.61	27	1.0	8	6	10	12	....	George P. Pfister
West Milford	Harrison	979	20	... ..	.....	....	.....	....	.....	4.28	+0.95	0.95	5	6.3	11	..	..	..	....	Scotland G. Highland
Weston	Lewis	1,026	55	.....	.....	.....	.....	.....	....	4.51	+0.91	0.78	5	10.7	14	.....	.....	..	...	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	33.2	+1.1	62	13	9	16	2.61	+0.32	0.65	6	2.2	10	9	1	18	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	38.9	.....	72	28	8	15	1.66	....	0.50	10†	T.	6	6	8	14	... .	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	2.19	−0.68	0.60	19	13.0	9	14	4	10	w.	H. S. Sutton
Athens	Mercer	2,600	6	34.8	..	55	13†	6	15	1.85	.....	0.70	9	0.5	11	13	4	11	nw.	Concord College
Bluefield	Mercer	2,558	51	38.7	+3.9	61	26†	8	15	2.69	−0.24	0.77	11	2.4	11	16	4	8	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	59	38.8	−0 4	67	26	11	12†	3.10	−0. 21	1.05	11	9.0	13	15	2	11	....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	39.0	.... .	65	27	10	15	3.65	....	1.08	11	7.3	9	9	7	12	w.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	33.0	.....	63	27	1	15	3.51	.....	1.28	20	25.8	13	14	6	8	w.	Department of Justice
Flat Top	Mercer	3,235	8	34.0	....	60	26	2	15	2.71	....	1.10	10	4.6	12	10	6	12	nw.	U. S. Airway Station
Gary	McDowell	1,426	29	38.6	+0.7	70	13	12	15†	2.64	−0. 50	0.63	10	T.	14	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	7	37.3	....	62	5†	9	11†	4.03	....	0.57	10	5.0	7	11	5	12	w.	State Forest Nursery
Hamlin	Lincoln	641	3	37.0	.....	65	26	4	12	3.85	.....	0.69	27	6.0	10	11	4	13	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	38.8	+3.3	73	26	6	15	2.51	−0.38	0.93	11	0.7	13	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	40.6	+5.9	65	5†	11	15	3.42	+0.34	0.80	13	6.0	11	10	5	13	w.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	....	.....	.....	3.12	−0.32	0.65	20	10.8	8	....	...	....	....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	33	40.6	+1.1	73	13	14	15†	3.64	+0.14	0.60	11	3.0	15	16	1	11	....	J. W. Ruff
London Locks	Kanawha	623	11	40.6	.....	69	13	13	15	3.03	−0.16	0.74	10	3.0	13	9	1	18	w.	Lockmaster
Madison	Boone	675	25	.....	.....	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	40.0	.....	65	26	5	15‡	2.45	..	0.68	11	4.0	14	11	0	17	.....	M. H. Martin
Pineville	Wyoming	1,350	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	56	39.3	+5.9	62	27	10	15	3.98	−0.81	0.95	5	1.1	12	14	1	13	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	15	34.4	+0.9	63	26	2	15	3.66	−0.55	0.72	10	10.5	14	16	2	10	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	35.3	−3.5	60	22†	8	11	3.53	−0.56	0.93	14	1.0	12	11	4	13	nw.	Lockmaster
Richwood	Nicholas	2,193	15	39.6	+5.1	66	5	1	15†	3.18	−0.94	0.34	20	3.0	12	7	10	11	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	7	32 0	.....	72	28	1	12	3 23	.....	0.80	18	22.0	11	11	4	13	nw.	Supt., State Forest
Spencer	Roane	789	47	38.0	+2.8	65	26	8	15	4.35	+1.20	0.76	13	7.5	15	6	8	14	.....	A. M. McKown
Summersville	Nicholas	1,900	10	33.9	.....	62	27	4	12†	1.59	.....	0.35	27	0	9	3	18	7	.....	A. E. Dorsey
Sutton	Braxton	850	43	38.7	+2.6	60	22†	5	12	3.38	−0.06	0.81	5	11.0	12	15	13	0	.....	C. B. Eakle
Union	Monroe	2,200	42	34.8	−0.4	65	26†	6	15†	1.87	−0.98	0.50	11	0.5	8	12	0	16	.....	C. B. King
Webster Springs	Webster	1,500	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	38.0	+2 5	69	26	8	15	2.01	−0. 62	0.55	10	4.0	9	0	14	14	w.	Ashford General Hospital
Williamson	Mingo	673	45	40.7	+3.3	75	13	9	15	3.39	−0.04	0.75	12	5.0	13	14	5	9	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	37.2	.....	65	5†	12	16†	3.86	.....	0.91	11	6.0	11	12	0	16	w.	Lockmaster
State averages and extremes			...	**35.9**	**+2.5**	**75**	**13**	**−4**	**12**	**3.23**	**+0.10**	**1.40**	**5**	**7.7**	**11**	**10**	**7**	**11**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for February 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac			T.		.12	.63	T		.09	.34	.32		.65	.10	.05				.54	.38				.09	T.		.28	T.				3.59
Braudywine	do.			.10		.30	.07			T.	*	1.00	T.	T.	T.					.40					.20			.10					2.17
Brushy Run[2]	do.		T.	.02		T.	.08				T.	.73	T.		.03	T.				.61								.09				1.56
Inwood	do.					.07	.10			.35	T.	.15	T.	.15		T				1.00					T.			.46				2.59
Kearneysville	do.			T.		.08	.09	T.				.40		.12	.03	T.				.56	.35	T.											1.73
Knobly Mountain[2]†	do.		T.			.25	.05		T.	.17	.13	.06		.15	T.	T.				.35	.43							.14	.36				2.22
Martinsburg[4]	do.						.10			T.	.48			T.	.28					.69	.24				T		T.	.40					1.65
McNeill†	do.		.01	T.	T.	.12	T.	T.	T.	T.	.51	T.		.14	.01	.01				.64	.03							.15					2.14
Petersburg	do.		T.			.18	.17			T.		.40		.12	.20	.05				.21	1.20				T.	T.		.13					1.48
Piedmont	do.																																1.60
Romney	do.																																2.68
Spruce Knob [2]†	do.	.12		.09		.17		.37		.28	.32	1.04				T.																	
Stouy River Dam [2]†	do.			.05		.14	.33			.12		.56		.20	.37	.12					.36	.08											3.18
Wardeusville [3]	do.					T.	.18	.03	T.	.03	.05	.60		T.	.12		T.			.80	.20	.16						.16					3.76
Northern Division																					.83							.55					2.08
Aberdeen†	West Fork					.83	.23	T.		.23	T.	.82		.55	.02	.02				.24								.24					
Belington [2]	Tygart	T.		.01		.10	.67	.31	T.	.08	.21	.46		.01	.38	.07	T.			.36	.35		T.		.07	T.		.45	.03				3.96
Benson †	West Fork					1.00	.25			.09	.02	.55		.85	.08	.12				.59	.15				.19	T.		.02	.25				3.53
Bens Ruu	Ohio					.98	.17	T.	.07					.77	.02					.40	.25				.03	.05		.55					4.24
Big Skin Creek†	West Fork					.86	.16			.04	.59	.63			.02	.35				.45	.05				.04		T.	.22					2.77
Brandonville[2]	Cheat						.32	.08		T.		T.			.13	.16	T.			.30	.26				.14			.29					3.64
Brownsville†	West Fork					.66	.23			.24	.28	.56		.50	.03					.68	.12		T.	T.	.10	T.		T.					1.59
Buckhannon	Tygart					.89	.31	.02	T.	.29	.45	.41		.46	.03	.05				.34	.23				.06			.48					3.61
Cairo	Litl.Kanawha					1.40	.30			.09	.01	.10		1.03	T.	.02				.31	.33				.09	.03		.44	.01				4.12
Canaau Valley	Cheat			.14		.47	.22	.05		.20	.30	.20		.37	.07	.12				.30	.29				.03	.03		.36					3.96
Clarksburg [2]	West Fork					.17	.72	.10			.05	.30		06	.62	.06				.22	.32				.16	.12		.37	.13				3.46
Crawford	do.					.90	.20			27	.41	.37		.34	T.	.02				.44	.11				.08	.03		.41					3.33
Crestou [2]	Litl.Kanawha					.65	.35	.20	.08		.10	.41	T.	.20	.79	.03					.64	.05				.05			.21	.30				3.58
Dailey [2]†	Tygart	T.	T.	.08		.16	.54	.19		.20	.09	.60		.09	.09	.05	T.			.52	.03				.06			.47	.30				4.19
Dam 10, Mon. R. [2]†	Monongahela					.12	.67	.21		.01	.04				.54	.06	T.			.64	.04				.09	T.		.25					3.11
Dam 13, O. R. [2]†	Ohio					.06	.65	.16		T.	.04				.52	.08				.59	T.			T.	.10		.12	.41				2.87
Dam 15, Mou. R. [2]†	Monongahela					.09	.68	.18	T.	T.	.04	.09		T.	.65	.06				.62					.02		.35	.02					2.52
Dam 19, O. R. [2]†	Ohio					.42	.90	.14		.07	T.			.19	.80	T.	T.			.54	.05				.03		.12	.33					2.86
Dam 20, O. R. [2]†	do.					.70	.65	.10		.06	.05			.18	.96	.06				.65	T.				.03		.13	.03					3.36
Elizabeth (Dam 3)[2]	Litl.Kanawha					.25	.15	.55			.25	.30		.36						.75					.05		.15	.09					3.80
Elk †	West Fork					.80	.25					.98		.73						.47					.15		.32	.20					3.00
Elkins [1]†	Tygart		.06	T.	T.	.82	.23	T.	T.	.27	.69	T.		.21	.04	.08				.58	.30						.50						4.14
Fairmout [2]	Monongahela					.78	.02	T.		.01	T.	.02		.80	.05					.44	.11				.08	.01	T.	.23	T.				3.25
Glenville [2]	Litl.Kanawha																			.05	.09				.11	T.		.38					2.26
Grafton	Tygart				T.		1.08	T.			.09	.27		.57		.06				.52	.19				T.				.49				
Hackers Creek †	West Fork					1.29	1.10			1.21	T.	.79		1.29	T.																		3.27
Hall [2]	Tygart			T		.17	.68	.23	T.	.08	.13	.71		.09	.35	.06	T.			.66	.06				.09		.05	.31					6.07
Harrison Co. Arpt. [4]	West Fork		T.		T.	.71	.18	T.		.12	.09	T.		.61	.03	T.				.59	.01				.06	T.	.02	.51					3.67
Hastings	Ohio					.86	.30			.10				.70	.10	.01				.40	.25				.06	.02		.40					2.93
Horner	West Fork					.50	.40			.75				.90						.15							.40						3.20
Irelaud	do.				.09	.78	.31	.08		.34	.08	.92		.32	.08	.04				.30	.34				.04			.45					3.10
Jane Lew	do.					.83	.30			.12	.03	.72		.72	.05	T.				.38	.30				.06	.02		.55	T.				4.17
Kumbrabow St. For.†	Tygart																																4 08
Mannington	Monongahela					.80	.33	.01		.05	.03	.02		.65	.04	.01				.49	.39	T.		.01	.05	.02		.57					3.47
Middlebourne [2]	Middle ls.Creek					.28	.75	.04		T.	.07			.23	.50	T.					.55	.05			.18	.05	.08	.44					4.15
Midvale [2]†	Tygart			T.		.21	.60	.33		.10	.27	.83		.08	.25	.13	T.			.26	.28			.02	.11	.10		.45					2.31
Morgantown	Monongahela		T.			.56	.03	T.		.01		.01		.40	.05	.03				.19	.32				.04			.57					3.46
Mt. Clare	West Fork					.86	.27			.08	.18	.17		.74	.04					.44	.11				.02		.09	.80					2.93
New Cumberland	Ohio					.50	.22			.03	.02			.55	.13			.02		.60	.11	T.			.04		T.	.28					2.94
New Martinsville	do.					.83	.21			.06				.63	.08	.10				.60	.11	T.			.04		T.	.28					2.94
Parkersburg[1]†	do.		T.		.02	1.53	.18	T.	T.	.07	T.			.94	.07	T.				.62	.08		T.		.03		.05	.19					3.79
Parsons	Cheat			T.		.68	.45	.09		.20	.30	.64		.42	.10	.10				.87	.46				.06	.03		.26	.06				4.72
Philippi [2]	Tygart					.17	.65	.12		.05	.11	.91		.07	.50	.07					.72	.05			T.	.10		.02	.34				3.88
Pickens	do.		T.	.06		1.02	.38			.45	.30	.24		.27	.20	.15				.68	.90				.35	.18		.59	T.				5.77
Roanoke	West Fork					.95	.22			.21	.20	.80		.44		T.				.33	.27				.08	T.		.57	.01				4.08
Rockford †	do.					.78	.27			.17	.20	.65		.73						.50	.25				.05			.59					4.19
Rowlesburg [2]	Cheat	T.		T.		T.	.71	.36	T.	T.	T.	.51			.62	.20					.87	.06				.09	T.	.07	.35				3.84
Saint Marys [2]	Ohio					.36	.91	.17		.04	.06			.14	.69	.04				.59						.06		.17	.16				3.39
Salem	West Fork					.99	.34	T.		.10	T.	.23		.75	T.	.32				.56	T.				.09			.49					3.87
Shinnston	do.					.80	.30	T.		.05	*	.20		*	.10	.89					.81				T.	.15		T.					3.30
Thomas [2]	Cheat	T		.05		.10	.45	.50		.05	.20	.60		T.	.55	.15	T.			1.01	.18					.15	T.		.30				4.29
Valley Chapel	West Fork					.88	.24	.03		.12	.10	.77		.81	.05										.09			.56					4.27
Valley Head [2]	Tygart	T.	.04	.08		.13	.34	.37		.04	.07	.67		.05	.11	.10				.38	.24												3.25
Vandalia†	West Fork					.85	.20			.24	.15	.73		.37							.70	.20			.15		T.	.20					3.59
Wellsburg (near)	Ohio					.35	.25			T.				.50	.17					.37	.22				.05		.41					2.91
West Milford	West Fork					.95	.35			.15	T.	.40		.80	.06					.52	.21				.30		.61					4.28
Weston [2]	do.					.14	.78	.24		.18	.16	.75		.02	.64	.12	T.			.40	.41				.08		.60	.08				4.51
Wheeling (Dam 12)[2]	Ohio					.13	.65	.13		T.	.03			T.	.50	.08					.68	.14				.06		.18	.42				2.61
Southern Division																					.61	.02			T.	.03		.43	T.				
Alderson	Greenbrier	T.	T.			.15	T.	.21		.15	.50	.50						T.	T.		T.						T.	T.	.15				1.66
Arbovale	do.		T.	.10		.30	.24	T.		.10	.40			1	T.	.10				.60					T.	.10		.25					2.19
Athens	New				T.	.16	.20		.11	.70		.10		T.	.02	.05				.40	T.				.03	.02		.06					1.85
Bluefield	New					.23	.30			.29		.77	.11		.08	.10				.53	.18					.05		.05					2.69
Camden-on-Gauley [2]	Gauley					.30	.37	.16		.14	.36	.37		.05							.40	.08			.20		.09	.30					2.82
Charleston	Gr. Kanawha					.45	.03	.01		.07	.06	1.05		.15	.09					.09	.39				T.	.04		.39	.28				3.10
Charleston (Airport)[4]	do.				.23	.34	.10		T.	.12	1.08	T.		.35	T.	T.				.65	T.				.16	T.		.62					3.65
Clay	Elk					.39	.20	.14	.31			.80		.13	.12	.04					.67	.01			.03	.03		.20	.38				3.45
Flat Top[4]	New		T.		T.	.33	.23			.07	1.10	.02			.09	.03				.48	.11			.07	.01		.17	T.				2.71
Gary [2]	Big Saudy					.23	.03			.44	.63	.50		.15	.03	.02				.06	.25		.01		T.	.03	T.	.02	.24				2.64
Greenbottom †	Ohio					.42	.48				.44	.13		.98						.77												4.03
Hinton [2]	New	.05				.21	.09	.23		.13	.20	.93		.05	.06	.05				.15	.32	T.				.01		T.					2.51
Hogsett [2]	Ohio					.51	.25	.16		.01	.07	.05		.32	1.04	.02				T	.65					.09		.55	.12				3.84
Huntington	do.				T.	.45	.18			.13	.43	.13		.75	.07	.01				.63	T.				.08			.56					3.42
Kayford [2]	Gr. Kanawha					.54	.12	.08				.90			.15						.65					.18			.50				3.12
Lewisburg	Greenbrier																																
Logan [2]	Guyandot					.25	.10	.23		.35	.15	.60		.05	.10	.02	T.			.09	.66	.04				.09		.55	.36				3.64
London Locks [2]†	Gr. Kanawha					.35	.21	.22		.15	.18	.74		.08	.08	.01				T.	.49				T.	.06		.06	.40				3.03
Madison [2]	Coal																																
Oak Hill [2]	New					.39	.21	.05		.14	.03	.68		.02	.10	.04				.06	.37					.15		.05	.16				2.45
Pineville [2]	Guyandot																																
Point Pleasant [2]	Ohio					.95	.32		.15	.10	.01	.02	T.	.38	.91	T.				.02	T.	.72			.02			.38					3.98
Princeton [2]	New		T.		.12	.01	.10		.02	.35	.46				.02				.05	.41	T.			.06								1.60
Rainelle	Greenbrier		T.		T.	.56	.35			.35	.72	.05		.01	.13	.10				.57	.28				.12	.10		.30	.02				3.66
Ravenswood [2]	Ohio					.70	.43	.10		.05	.05	.13		.22	.93						.57					.03		.22	.10				3.53
Richwood [2]	Gauley		16			.31	.28			.28	.36	.26			T.	.26				.26	.34				.21			.16	.30				3.18

Continued on next page.

Daily Precipitation for February 1946 -Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																								.40	.06		.25	.02				3.23
Seneca State Forest†	Greenbrier		T.				.12				.50	.18			.30	.30			.80		.30				T.	.06		.41	.23				4.35
Spencer [2]	Litl.Kanawha					.65	.27	11			.10	.65		.76	.38	.05		.02		02	.61	T.		.03			.10	.35					1.59
Summersville [2]	Gauley					.30				.10	.26	.10		.05							.30		.03					.42					3.38
Sutton	Elk					.81	.19			.30	.06	.60		.22	T.	.10				.22	.16				.15	.15							1.87
Union [2]	New					.15	.10	.15			.25	.50									.45					.05		.22					3.93
Wayne [2]	Twelvepole					.38	.18	.19		.07	.10	.71		.20	.42					.20	.58							.90					
Webster Springs	Elk																			.32	.18				T.			.19	.02				2.01
White Sulp'r Spgs	Greenbrier					.21	.24	T		.28	.55	.02		T	T.	T.				.10	.45					.10		.60	.27				3.39
Williamson [2]	Big Sandy					.21	.09	.30		.23		.16	.75		.10	.03												.30	.28				3.86
Winfield Locks [2]†	Gr. Kanawha					.47	.30	.21			.09	.82		.18	.47	.01				T.	.73												

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for February 1946

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	35	34	30	43	37	53	37	48	48	41	27	44	41	54	27	49	47	40	40	36	30	46	45	40	28	58	55	36				41.0
	Minimum	15	21	10	5	25	26	24	10	39	21	17	7	18	24	2	10	27	21	20	23	15	17	30	25	12	20	30	25				19.2
Beckley	Maximum																																
	Minimum																																
Bluefield	Maximum	40	37	*46*	47	56	55	43	54	54	*46*	47	50	56	56	25	54	51	51	53	40	41	*42*	55	*36*	48	61	61	46				48.2
	Minimum	19	29	*26*	26	47	41	30	24	41	*34*	24	20	40	25	8	21	35	23	35	26	23	*21*	36	*28*	20	40	46	29				29.2
Brandywine	Maximum	42	41	43	42	38	52	51	60	54	42	36	46	50	60	30	54	60	52	41	37	42	55	54	47	44	67	69	62				49.0
	Minimum	17	14	15	8	24	34	26	10	34	28	2	− 4	20	24	2	8	22	12	22	18	5	19	23	18	14	19	30	21				17.3
Buckhannon	Maximum	36	39	37	47	53	59	41	51	49	45	35	44	53	60	31	53	51	46	48	46	38	54	53	48	36	60	60	42				47.0
	Minimum	18	23	12	17	35	38	31	11	39	23	22	3	27	25	8	14	34	17	26	19	27	27	28	12	28	37	30					23.5
Cairo	Maximum	43	42	42	41	51	58	45	56	55	49	37	50	53	62	33	60	61	52	53	40	42	61	60	46	41	60	65	50				50.3
	Minimum	20	21	16	17	34	40	32	15	39	30	15	14	27	33	10	13	27	16	26	30	17	27	30	32	20	25	37	28				24.7
Charleston (Airport)	Maximum	43	49	44	45	65	63	46	61	48	38	37	59	63	62	30	61	55	54	51	39	44	64	52	37	45	64	65	51				51.2
	Minimum	22	26	24	20	43	44	27	20	38	29	16	16	35	30	10	17	23	19	35	25	19	34	28	30	25	30	37	32				26.9
Clarksburg [3]	Maximum	37	37	34	40	56	56	37	52	43	35	29	42	58	47	37	52	47	47	44	33	31	52	45	36	48	61	58	44				44.0
	Minimum	20	19	16	15	20	36	36	16	16	29	19	10	10	37	10	9	15	17	18	31	20	20	29	31	19	19	47	31				22.0
Cranberry Glades	Maximum	34	34	37	39	47	47	34	50	41	42	44	46	48	52	22	50	46	45	45	40	50	61	60	51	44	62	63	49				45.5
	Minimum	12	14	22	10	33	25	30	12	30	27	19	5	30	21	1	9	37	20	23	20	13	22	21	24	10	21	30	24				20.2
Elkins	Maximum	35	38	35	47	50	58	38	52	47	37	30	51	58	60	29	54	47	46	42	34	35	53	49	33	35	60	59	44				44.9
	Minimum	19	27	15	14	34	36	20	16	35	26	12	3	34	24	6	12	24	19	25	24	19	24	29	22	17	27	32	24				22.1
Fairmont [3]	Maximum	38	42	36	45	50	60	48	53	52	45	33	51	49	62	31	57	53	52	47	43	40	58	54	39	37	59	61	47				47.9
	Minimum	19	27	13	18	35	42	33	52	45	28	19	17	29	27	9	15	39	19	28	29	19	30	33	31	20	31	37	30				27.6
Flat Top	Maximum	33	36	42	35	51	49	40	51	44	40	30	47	57	48	22	52	49	48	38	36	36	52	50	36	40	60	55	43				43.6
	Minimum	14	24	26	19	34	35	26	17	38	29	19	12	35	21	2	15	31	21	31	24	17	32	32	23	13	33	34	25				24.4
Gary [3]	Maximum	42	*45*	49	48	64	59	48	58	49	48	39	61	70	53	*37*	*50*	59	56	50	38	45	60	57	36	53	66	56	*48*				51.6
	Minimum	23	22	*20*	20	29	42	32	21	22	40	27	19	19	37	12	12	*18*	17	20	33	20	21	30	31	24	25	48	34				25.6
Glenville	Maximum																																
	Minimum																																
Grafton	Maximum	41	37	35	44	45	44	40	48	46	41	33	31	57	55	39	57	58	49	44	42	35	37	56	45	38	58	56	42				44.8
	Minimum	20	22	11	16	38	35	29	15	38	27	19	12	28	39	9	14	34	17	27	27	21	28	40	32	30	20	40	34				25.8
Hamlin	Maximum	44	49	44	44	60	58	47	61	49	36	39	57	64	36	*35*	60	55	54	52	42	50	64	53	36	56	65	44	51				50.2
	Minimum	25	24	18	19	30	43	35	17	27	33	20	4	16	35	10	12	22	14	26	30	17	22	26	27	23	26	42	26				23.9
Huntington	Maximum	45	52	45	40	65	62	50	60	55	41	39	55	49	63	32	62	57	54	50	48	42	64	58	44	46	65	65	49				52.0
	Minimum	22	31	24	26	39	44	35	22	41	30	13	15	35	31	11	20	39	21	39	32	22	34	33	32	21	31	42	29				29.0
Logan [3]	Maximum	46	63	45	49	64	61	51	55	60	46	*45*	58	73	44	33	52	62	58	54	42	45	65	53	38	46	69	52	*59*				53.0
	Miuimum	24	24	23	31	31	46	37	24	25	45	28	21	22	41	14	14	29	22	23	35	23	24	32	38	24	24	35	32				28.5
Madison [3]	Maximum																																
	Minimum																																
Mannington	Maximum	38	38	37	44	48	57	43	49	48	45	36	49	49	62	31	58	57	49	49	45	39	56	55	42	37	58	62	47				47.4
	Minimum	18	19	8	11	33	37	28	12	37	25	15	14	24	28	8	12	30	14	23	27	13	27	30	31	19	25	38	27				22.6
Martinsburg	Maximum	40	44	32	35	31	43	42	48	45	35	39	43	41	59	29	47	54	51	32	37	38	38	43	29	38	47	70	45				42.2
	Minimum	25	20	18	11	29	31	30	20	34	25	9	18	30	28	17	16	30	25	26	31	18	22	23	30	22	28	33	27				24.4
Morgantown	Maximum	41	51	34	46	49	58	41	50	47	44	36	51	52	61	30	55	55	47	45	42	37	54	52	41	34	57	61	44				47.6
	Minimum	17	29	8	12	34	36	27	17	41	25	20	24	38	27	7	16	38	22	26	26	17	27	32	30	16	30	36	28				25.1
New Martinsville	Maximum	46	40	37	41	49	56	42	50	49	41	36	51	47	62	31	57	52	51	42	44	41	58	56	41	38	59	62	42				47.7
	Minimum	19	29	12	20	33	39	29	17	38	27	19	19	30	30	9	14	35	19	30	31	18	29	35	33	20	28	35	27				25.4
Parkersburg	Maximum	40	41	34	40	53	58	43	52	54	37	37	50	61	62	24	58	48	49	47	37	39	61	*42*	37	41	63	59	47				46.6
	Minimum	21	29	16	23	38	42	26	21	39	28	20	22	38	23	9	20	31	22	34	29	23	32	35	27	21	34	36	30				27.1
Petersburg	Maximum	40	43	41	41	33	55	43	56	53	43	41	50	57	61	32	62	59	53	34	39	42	56	52	41	43	72	71	49				48.4
	Minimum	26	32	18	13	27	30	29	17	35	25	11	8	36	30	12	19	32	25	26	27	24	25	28	28	21	24	38	26				24.4
Pickens	Maximum	32	35	36	50	51	56	36	55	56	54	32	56	54	56	25	52	48	56	41	36	36	49	54	35	36	57	55	43				45.5
	Minimum	16	20	16	32	38	36	20	30	35	32	20	16	36	*13*	3	*15*	*16*	20	30	30	*20*	*28*	19	*28*	*19*	*30*	*33*	*28*				24.4
Point Pleasant	Maximum	41	45	47	47	57	60	47	54	54	45	36	50	51	61	38	57	56	50	48	47	42	61	61	45	43	57	62	48				50.0
	Minimum	20	30	21	23	35	43	34	21	44	30	14	15	34	31	10	20	36	21	35	30	22	30	32	34	25	29	43	28				28.0
Rainelle	Maximum	36	39	42	40	44	52	42	53	47	43	33	48	58	57	25	50	51	50	42	39	37	55	52	37	47	63	61	46				46.2
	Minimum	15	17	25	16	32	36	25	16	35	31	22	9	29	24	2	8	23	15	27	23	18	25	24	26	17	33	37	27				22.4
Spencer [3]	Maximum	40	44	40	46	58	56	*51*	55	47	42	35	52	63	40	*37*	60	52	53	52	38	45	60	51	35	54	65	45	50				48.7
	Minimum	19	20	20	20	36	51	34	16	42	30	13	14	30	37	8	15	35	18	28	30	17	34	27	31	20	40	43	30				27.4
Summersville [3]	Maximum	*40*	40	41	47	58	51	*43*	47	45	45	33	50	59	36	*33*	56	50	49	44	31	45	56	53	50	51	62	40	46				46.6
	Minimum	16	21	22	16	31	43	31	14	21	32	22	4	13	33	4	6	24	12	25	23	*15*	23	21	19	17	24	36	28				21.2
Sutton	Maximum	52	45	45	47	58	58	56	58	58	52	40	48	50	50	47	57	57	52	52	50	42	60	60	52	43	58	58	50				52.2
	Minimum	21	22	20	19	37	44	36	17	40	32	26	5	26	27	10	13	19	16	30	30	18	29	26	28	21	25	41	33				25.5
Wardensville [3]	Maximum	41	40	38	40	33	55	42	53	46	33	40	*48*	*49*	61	32	56	56	51	37	37	41	51	49	40	41	71	70	46				46.6
	Minimum	26	18	16	11	18	29	32	15	22	31	8	8	12	32	12	12	32	22	*18*	30	24	22	29	29	20	22	30	33				21.4
Weston	Maximum	*52*	42	40	46	61	60	58	58	48	*45*	36	51	64	61	39	56	52	55	48	40	42	58	54	38	46	60	52	59				50.5
	Minimum	24	37	24	35	41	58	38	19	45	30	24	6	35	38	10	16	40	19	30	36	22	30	29	34	20	44	44	32				30.3
Wheeling [3]	Maximum	40	34	29	42	55	57	40	47	45	38	33	50	62	43	26	55	46	42	43	37	37	55	38	37	35	56	45	47				43.3
	Minimum	24	21	11	11	19	40	28	18	19	25	19	20	24	*22*	10	9	20	24	25	31	20	20	33	33	19	20	44	31				22.1
Williamson [3]	Maximum	47	51	55	50	65	61	53	53	49	45	43	63	75	43	*42*	62	58	59	53	44	46	66	66	38	50	70	55	55				54.4
	Minimum	25	25	23	24	31	44	38	23	23	39	29	22	22	42	9	14	22	22	22	35	24	24	33	34	26	25	32	31				27.6

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

NWE

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN

PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIV MARCH 1946 No. 3

GENERAL SUMMARY

The month was abnormally warm. The mean temperature of 50.7° was the fourth highest of record, being exceeded only by the 52.7° in 1921, the 52.1° in 1945, and the 51.3° in 1903. Parkersburg had the highest average March temperature of record. The State averaged 8.1° above normal with the greatest plus temperature departures recorded in the counties contiguous to the Ohio River, in the northern part of Lewis County and the southern part of Harrison County. There were moderately cold periods on the 1st, the 10-13th, and the 21st-22d. The remainder of the days were very warm for the season. The warmest periods were the 4-5th and the 28-30th. No below zero temperature was reported from any station during the month.

Precipitation averaged only 0.30 inch below normal The driest section was in the south and even it averaged 84 percent of normal precipitation. The rainfall was well distributed both as to amounts and as to days. Snowfall was extremely light, averaging only 0.2 inch.

Spring came early in March, with the peach buds beginning to swell in the warmer sections during the first week. By the 20th, peaches were starting to bloom in the Ohio Valley. By the close of the month, some early apples were in bloom. This abnormally early bloom placed the West Virginia fruit crop in serious danger from frost. During the latter half of the month all vegetation made rapid advancement. Grass grew so rapidly that most lawns in the warmer localities had to be mowed before the close. Pastures were in better condition by the end of the month than they usually are by the end of April. Wheat, rye, and barley added several inches to their growth. A large proportion of the oats crop was seeded early in the month. Some early cabbage was set out during the first week. Beds of onions, lettuce, radishes, and peas were much in evidence in the Ohio Valley by the 20th. Trees and shrubbery bloomed and leafed at an extremely rapid rate; many bushes were well leafed by the close of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 50.7°, or 8.1° above the normal. The mean for the northeastern panhandle division was 47.9°; for the northern division, 51.2°; and for the southern division, 51.3°. The highest monthly mean was 55.4° at Huntington and the lowest, 42.6° at Bayard. The highest temperature was 88° at Cairo on the 28th, and the lowest, 11° at Brandonville on the 12th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 132 stations, was 3.62 inches, or 0.31 inch below the normal. In the northeastern panhandle division, the average was 2.70 inches; in the northern division, 3.98 inches; and in the southern division, 3.45 inches. The greatest monthly precipitation was 6.80 inches at Elizabeth, and the least, 1.92 inches at Kearneysville. The greatest amount in any 24 consecutive hours was 2.05 inches at Dam No. 19 on the 26-27th. The average monthly snowfall was 0.2 inch, or 5.7 inches below the normal. The greatest monthly snowfall was 5.0 inches at Spruce Knob. The average number of days with .01 inch or more of precipitation was 12.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	1	..	..	..	1	4	12	1	..	..	1	1	..	2	6	2	7	1	3	3	1	1	..	3	3	4	6	2	4	3
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	3	2	..	..	..	..	..	..	..	..	1	1	2
Gales	2	4	1	4	4	2	1	15	24	3	2	1	..	3	1	2	4	..	2	2	..	..	1	3	1	2	..	..	..	2	..
Hail	..	1	..	..	..	..	1	..	1	..	..	..	..	..	..	..	..	5	1	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	1	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	2	1	..	..	..	..	..	..	..	1	1	4	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	3	2	..	..	..	1	3	..	..	20	14	1	..	..	..	..	..	..	..	..	..	..	1	3	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.48	11	29.60	8	6.6	28	nw.	2	89	58	64	60	299
Columbus, Ohio	30.48	11	29.57	8	10.0	43	sw.	9	83	57	67	63	419
Elkins	30.42	12	29.64	30	7.1	36	w.	9	89	52	68	50	529
Huntington Airp't.	30.50	11	29.63	29	.....	30	w.	9	88	54	65	....	377
Parkersburg	30.45	11	29.63	8	6.2	26	sw.	9	79	46	54	53	343
Petersburg, W. Va.	30.43	12	29.65	30	.....	35	w.	9	84	51	60	....	475
Pittsburgh, Pa	30.41	11	29.59	28	10.7	35	sw.	9	77	51	57	56	431

COMPARATIVE DATA FOR MARCH

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	34.9	.....	.....	5.52	5.24	5.46	4.91	.....	.....	.....	.....	.....
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	.....	.....	.....	.....
1893	40.7	84	3	0.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	0.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	0.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	0.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	**94**	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	0.49	0.40	0.79	**0.55**	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	**34.4**	63	7	0.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	0.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	0.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	**−18**	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	0.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	0.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
1942	44.1	89	0	3.49	3.51	3.87	3.64	15.5	12	9	10	12
1943	40.0	85	−17	3.13	4.57	5.28	4.59	6.5	12	12	8	11
1944	40.2	87	−14	4.73	5.60	4.94	5.21	4.4	15	10	7	14
1945	52.1	91	12	2.71	5.36	4.25	4.58	1.2	12	12	9	10
1946	50.7	88	11	2.70	3.98	3.45	3.62	0.2	12	12	8	11
Period	42.6	94	−18	3.06	4.08	4.12	3.93	5.9	12	11	7	13

Climatological Data for March 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	42.6	+4 9	74	6†	12	12	3 32	−1.19	0.80	9	2.0	11	11	8	12	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	30	46.0	+4.6	78	28	12	1†	2.95	+0.48	0.52	9	T.	10	16	1	14	s.	E. L. Keister
Great Cacapon	Morgan	500	2	50.0	....	81	25	20	3†	.....	.....	.....	.....	.....	.....	14	7	10	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	2.07	−0.98	0.45	18	0	9	....	....	....	....	Miss Eleanor White
Inwood	Berkeley	569	13	50.4	.....	81	4	18	12	3.45	.....	1.00	2	0	12	12	6	13	e.	H. W. Prettyman
Kearneysville	Jefferson	548	16	50.8	+8.8	79	4†	21	12	1.92	−1.40	0.52	15	0	11	15	6	10	s.	University Exper. Station
Martinsburg	Berkeley	435	54	48.4	+6.8	79	27	20	12	3.03	−0.23	0.80	15	0	13	16	3	12	ne.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	47 5	+6.5	82	28	14	13	2.41	−0.18	0.64	30	0	9	13	8	10	w.	R. E. Saville
Petersburg	Grant	1,029	7	49.6	.....	80	28	19	12	3.03	.....	1.06	30	T.	12	7	6	18	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	48.7	+7.5	80	28	20	12	2.02	−0.96	0.59	15	0	10	11	8	12	e.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	3.25	−0.10	0.85	15	2.5	11	7	7	17	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	47.5	+5.6	78	4†	17	12	2.72	+0.52	0.46	9	T.	12	....	....	....	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	3.45	−0.34	0.63	15	T.	13	8	11	12	w.	L. Esle Bond
Benson	Harrison	1,080	21	51.9	+11.6	83	28	17	12	5.77	+2.31	1.80	30	0	14	12	14	5	. ..	R. D. Marts
Bens Run	Pleasants	652	45	53.0	+9.5	82	28	24	10†	3 04	−1.00	1.02	26	0	10	24	5	2	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	46 2	.....	79	31	11	12	3.82	.....	1.02	27	T	9	....	....	....	.....	James I. Galloway
Brownsville	Lewis	1,032	22	53.6	+11.7	82	28	18	12	3.37	−0.10	0.77	19	0	11	15	8	8	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	55	50.4	+8.5	79	28	19	10†	5.39	+0.88	1.14	30	T.	16	13	9	9	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	40	53.0	+8.7	88	28	18	12	5.54	+1.72	1.25	18	0	12	11	7	13	...	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	45.0	....	71	6	15	1	2.47	.....	0.60	15	3.0	13	10	12	9	e.	George B. Thompson
Clarksburg	Harrison	1,015	23	48.6	+8.9	80	28	19	12	3.73	+0.71	0.88	26	0	14	16	7	8	s.	Clarksburg Water Board
Creston	Wirt	640	45	53.8	+9.8	84	29	19	12	6.19	+2.09	1.80	19	T	13	7	15	9	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	51.4	....	80	28	21	10	3.17	−0.60	1.12	26	T	13	19	1	11	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	2.32	−1.11	0.85	14	T.	11	....	....	....	....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	3.06	−0 08	0.96	26	T.	10	....	....	....	....	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	5.56	+2.02	2.05	27	T	15	....	....	....	....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	5.86	+2.15	1.33	27	0	16	....	....	....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	6.80	+3.05	1.50	27	0	14	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	47	48.0	+8.9	79	28	18	12	3.25	−0.55	0.71	30	T.	13	8	6	17	se.	U. S. Weather Bureau
Fairmont	Marion	883	54	52 8	+11.3	84	28	20	12	2.62	−1.35	0.91	26	T.	11	10	10	11	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Howard R. Brannon
Grafton	Taylor	1,050	52	52.0	+10.5	78	29	20	12	3.80	+0.04	1.38	30	T.	8	23	1	7	.....	L. W. Clayton
Grantsville	Calhoun	760	2	54.0	.....	85	28	13	10	5 30	.....	1.30	19	0	11	16	13	2	... .	Roy Morrison
Harrison County Airport	Harrison	1,188	6	50.9	.....	81	28	19	12	3.59	.....	0.96	26	T.	13	6	7	18	s.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	4.70	+0.23	1.28	15	0	14	17	9	5	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	3.81	+0.55	0.74	15	T.	15	.....	.....	.....	.....	Mrs. Garnet Golden
Mannington, 1½ mi. NW	Marion	974	44	50.6	+8 3	85	28	16	10†	4.39	+0.36	1.49	26	0.4	15	11	10	10	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	5	51.8	.....	83	28	19	11	3 66	.....	1 50	27	0	12	12	8	11	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	70	53.0	+10.9	81	28	19	10	3.19	−0.20	1.13	26	T.	11	10	14	7	.....	State Dairy Farm
New Cumberland	Hancock	671	51	48.4	+9.0	73	29†	22	10	2.60	−0.64	0.54	15	0	13	12	9	10	se.	C. O. Valentine
New Martinsville	Wetzel	637	52	52.8	+9.5	84	28	21	10†	3.26	−0 53	1.36	26	T.	11	13	10	8	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	54.1	+11.3	81	28	26	10	5.00	+1.51	1.70	26	T.	15	7	8	16	se.	Section Center
Parsons	Tucker	1,649	47	49.8	+9.3	79	28	19	12	3.11	−1.10	0.72	9	0 5	14	8	11	12	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	2.38	−1.76	0.54	27	T.	14	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	.....	.....	78	28	.....	.....	5.29	−0.62	1.24	30	4.5	13	14	4	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	4.90	+1.28	1.58	19	0	11	9	9	13	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	61	51.4	.....	84	28	21	12	3.05	−1.80	0.73	26	T.	10	16	1	14	sw.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	4.36	+0.44	1.68	27	0	15	....	....	....	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	3.17	−1.94	0.80	9	T.	11	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	53.2	+10.7	86	29	19	10	4.38	+0.69	0.98	15	0.3	16	10	10	11	w.	Roscoe H. Jacksou
Wellsburg, 3 miles NE	Brooke	668	53	50.3	+10 5	82	28	18	10†	2.70	−0. 49	0.64	15	T.	9	12	11	8	.....	George P. Pfister
West Milford	Harrison	979	20	.....	.....	.....	.....	.....	.....	5.04	+1.50	0.92	15	0	15	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	54.3	+10.5	84	29	20	12	4.25	−0.03	0.82	15	T	14	...	....	....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	50.6	+10.1	81	28	23	10	2.09	−1.19	0.63	14	T.	12	....	....	....	ne.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	50.2	.....	87	15	17	12	2.61	.....	0.81	9	T.	5	3	22	6	.....	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	3.22	−0.59	0.76	15	T.	10	11	8	12	sw.	H. S. Sutton
Athens	Mercer	2,600	6	49.4	.....	73	27	27	12	2.94	... .	0.73	15	T.	14	11	12	8	sw.	Concord College
Bluefield	Mercer	2,558	51	52.0	+7.6	72	5†	28	10†	4.12	+1.00	0.92	15	0.1	14	13	6	12	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	59	54.0	+6.6	84	28	24	12	3.02	−1.48	1.08	14	0	11	17	3	11	....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	53.9	.....	84	28	23	12	3.09	.....	0.86	15	T.	16	7	8	16	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	47.4	.....	85	23	13	13	3.32	.....	0.93	15	2.0	16	10	5	16	se.	Department of Justice
Flat Top	Mercer	3,235	8	47.6	.....	71	5	20	10	3.63	.....	0.74	15	T.	17	6	8	17	s.	U. S. Airway Station
Gary	McDowell	1,426	29	51.6	+9.1	78	5	22	12	3.71	−0.45	0.95	19	0	12	...	....	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	7	54.2	.....	83	28	24	1	3.31	.....	1.05	26	0	11	8	10	13	w.	State Forest Nursery
Hamlin	Lincoln	641	3	52.0	.....	82	28	19	12	3.00	.....	0.77	15	0	10	13	11	7	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	51.0	+6 9	83	27	19	1†	3.82	−0.08	0.96	18	0	17	....	....	....	.....	Mrs. M. L.McClung
Huntington	Cabell	571	50	55.4	+10.4	84	28	25	12	3.41	−0. 81	1.03	18	T.	15	7	13	11	ne.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	5.20	+0.56	0.90	27	0	11	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	33	54.2	+7.1	85	28	26	12	2.80	−1.92	0.72	15	T.	16	16	4	11	.....	J. W. Ruff
London Locks	Kanawha	623	11	55.0	.....	80	28	25	12	3.42	−0.74	0.66	15	0	15	11	0	20	e.	Lockmaster
Madison	Boone	675	25	49.2	+6.5	81	28	24	12	3.22	−0.96	1.00	9	0	6	11	12	8	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	51.8	.....	75	28†	26	10	5.11	.....	0.82	20	0	13	12	5	14	.....	M. H. Martin
Pineville	Wyoming	1,350	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	56	55.0	+9.8	82	28	26	1	5.24	+1.15	1.59	27	0	16	14	2	15	se.	E. C. Winger
Rainelle	Greenbrier	2,424	15	47.3	+8.0	75	27	17	1	3.97	−1.58	0.75	8	0	17	11	5	15	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	50.2	+6.9	76	29	23	1†	4.54	+0. 65	1.60	27	0	15	10	7	14	sw.	Lockmaster
Richwood	Nicholas	2,193	15	46.8	+6.0	76	29	18	10	3.36	−2.14	0.73	9	0	11	16	4	11	....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	Supt., State Forest
Spencer	Roane	789	47	52.1	+9.2	83	28	20	10†	4.68	+0.61	1.06	15	T.	15	15	10	6	.....	A. M. McKown
Summersville	Nicholas	1,900	10	48.2	.....	78	6	16	12	3.29	.....	0.73	15	T.	11	8	15	8	.....	A. E. Dorsey
Sutton	Braxton	850	43	53.0	+8.8	80	28†	20	10	3.80	−0.54	0.95	15	0	15	16	14	1	.....	C. B. Eakle
Union	Monroe	2,200	42	48.0	+4.6	75	5†	18	1	5.20	−0.35	1.00	8	0	12	13	0	18	.....	C. B. King
Webster Springs	Webster	1,500	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	50.4	+7.8	77	27	17	12	2.82	−0.75	0.79	15	0	12	1	12	18	w.	Ashford General Hospital
Williamson	Mingo	673	45	55.1	+8.4	82	27†	26	1†	2.83	−1.71	0.74	9	0	12	16	4	11	nw.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	52.0	.....	82	28	26	10†	3.03	.....	0.79	15	0	14	9	0	22	e.	Lockmaster
State averages and extremes		.....	....	50.7	+8.1	88	28	11	12	3.62	−0.31	2.05	27	0.2	12	12	8	11	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period c record are used. Reference letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. † Also on other dates. *Italics* interpolated.

Daily Precipitation for March 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		T.						.16	.80		.20			.25	.25	T.	T.	.20	T.					.30	T	.40	.14		.12	.50		3.32
Braudywine	do		T.					.08	.12	.52						.51			.21	.50					.26	T.	T.	.14		.11	.50		2.95
Brushy Run[2]	do			T					.08	.39						.66			.06	.03	.19			T.	.16	T.	T.	.17			.05	.48	2.27
Harpers Ferry [2]	do			.10						.34						.29			.45	.07						.13	T.	.23			.07	.39	2.07
Inwood	do		1.00					.05	T.	.32						.50		.40	.02	.04					.14		.04	.15		.08	.71		3.45
Kearneysville	do		.11					.04	.07	.21						.52		T.	.41	.05					.08	T.	.03			.28	.12		1.92
Knobly Mountain[2]†	do									.41	T.					.65	T.		.28	.18					T.	.24	T.	.35			.18	.12	2.41
Martinsburg [4]	do		.12					.20	.12	.25					.48	.80	T.	.01	.41	.03					.12	T.	.17			.07	.25		3.03
McNeill†	do		T.					.12	T.	.38						.52		T.	.15	T.					.29	T.	.08	.19		.04	.64		2.41
Petersburg	do		T.	T.				.09	.30	.14		T.			.66	.01	T.	.10	.03	.09					.24	T.	.25			.06	1.06		3.03
Piedmont	do.		T.					.02		.27						.59	.01		.27	.12							.16	.10	.46		.02		2.02
Romney	do																																
Spruce Knob [2]†	do			T.					.34	.36	.03					1.02	.31	.22	.32	T.	.20				T		T.	.26		.14	.27	.36	3.83
Stony River Dam [2] †	do									.54		.10				.85	.07	.06	.24	.05					.26		.10	.43			.55		3.25
Wardensville [2]	do			.04					.03	.46		T.	T.			.43			.37	.12	.08				.18	T.	.03	.28			.26	.44	2.72
Northern Division																																	
Aberdeen†	West Fork		.08					.22	.07	.49	T.	T.				.63		T.	.12	.29	.09				.16	T.	.25	.37		.06	.62		3.45
Belington [2]	Tygart		T.	.07				.06	.15	.48	.02	T.	T.			.36		T.	.14	.01	.20				.30	T.	.03	.47		.06	.27	.39	3.01
Beuson †	West Fork		.06					.25	.20	.60						1.10		.02	.12	.30	.05				.08		.70	.37		.12	1.80		5.77
Bens Run	Ohio		.07					.28	.07	.07					T.	.74		.14	.21	.19							1.02			.25		3.04
Big Skin Creek†	West Fork							.15	.28	.24						.75				1.18	.01					.15	.60			.08	.70	.05	4.19
Brandonville [2]	Cheat		.29	T.				.12	.14	.68	T.					.67			.33						.20			1.02		.42		3.82
Brownsville †	West Fork		.08					.20	.19	.17						.43			.07	.77	.10						.46	.20			.70		3.37
Buckhannon	Tygart		.09					.31	.17	.47	.01				.21	.34		T.	.87	.66	.02			T.	.22	.02	.53	.02		.31	1.14		5.39
Cairo	Litl.Kanawha		.14					.32	.01	.38					T.	1.00			1.25	.87				.04	.08		1.09	.31		.05			5.54
Canaan Valley	Cheat		.10					.19	.08	.15						.60			.16	.05					.33	.03	.31	.18		.12	.17		2.47
Clarksburg [2]	West Fork			.05				.10	.11	.55						.86			.40	.07	.08				.10		.03	.85		.08	.40	.05	3.73
Crawford	do		.02					.18	.19	.24					T.	.64			.11	1.53					.16	.07	.55				.79		4.48
Creston [2]	Litl.Kanawha		.15					.04	.30	.50	T.					1.15	T.		.35	1.80	.35			.10			T.	.80		.05	.50	.10	6.19
Dailey [2]†	Tygart			.02				T.	.18	.43	T.	T.				.16	T.	T.	.17	.11	.15				.18		.18	.15		T.	.11	1.00	2.84
Dam 10, Mon. R. [2]†	Monongahela		.01	.05				07	.17	.53	.02	T.				.75		T.	.11						.07	T.	T.	1.12		.01	.21	.05	3.17
Dam 13, O. R. [2]†	Ohio		.04	.03				.10	.12	.20		T.				.85		.03	.08						15			.50			.22		2.32
Dam 15, Mon. R. [2]†	Monongahela		T.	.03				.06	.17	.59	T.	T.				.79	T.		.15		T.				.08			.96			.20	.03	3.06
Dam 19, O. R. [2]†	Ohio		.14	.02				.14		.21						.60		.03	.40	1 10	.16			.04	.07		.04	2 05	T.	.06	.50	T.	5.56
Dam 20, O. R. [2]†	do		.13	.05				.12	.20	.30	T.					.71		.02	.48	.83	.48			.04	.06		.03	1.33		.08	1.00		5 86
Elizabeth (Dam 3) [2]	Litl.Kanawha		.10	.20				.15	.27	.35						1.02			.22	1.50	.52						.15	1.50		.10	.62	.10	6.80
Elk †	West Fork							.40								1.25				.50							.74			.10	.68		3.67
Elkins [1] †	Tygart		.02	T.				.15	.46	.23	T.	T			.18	.23	T.	.28	T	.10			T.	.32	.10	.39			.08	.71		3.25
Fairmont [2]	Monongahela		.02					.03	.02	.04		T.			.04	.79		.01	T.						.10		.91			.05	.61		2.62
Glenville [2]	Litl.Kanawha																																
Grafton	Tygart		.08					.22		.50		T.				.62			.13										.84	.03	1.38		3.80
Hackers Creek †	West Fork							.61	.29								.07			.65					.01		.65			.61	.37		3.26
Hall [2]	Tygart		T.					.11	.15	.54	T.					.57			.02	.27	.18				.22		.06	.55	T.	.09	1.05	.45	4.26
Harrison Co. Arpt. [4]	West Fork		.02					.23	.52	T.		T			.61	.06	.01	.35	.06	.05					.07	T.	.96	T.		.53	.12		3.59
Hastings	Ohio		.20					.35	.05	.44		.01				1.28			.34	.02					.06	.04	1.25	.32		.06	.28		4.70
Horner	West Fork		.07					.53	.05						.65					.65							.63			.15	.50		3.23
Ireland	do																		.08	1.40						.04	.09	.54			1.38		
Jane Lew	do		.07					.26	.19	.55	.03					.74		.03	.09	.30	.07				.11	T.	.37	.32		.06	.62		3.81
Kumbrabow St. For.†	[2]Tygart		.01	.06				25	.43	.50	.03		.05			.52		.04	.16	.63	.02					.24	.19	.22		.06	1.07	.03	4.51
Mannington	Monongahela		.11					.31	.32	.43		.02			.01	1.06		.15	.16	.01					.10		1.49	.02	T	.09	.11		4.39
Middlebourne [2]	Middle Is. Creek		T.	.03				.13	.16	.31						.98		T.	.16	.11					.05		T.	1.50		.08	.11	.04	3.66
Midvale [2]†	Tygart			.08				.07	.24	.50	T.	T.				.46			.15	.34	.38				.24	.10		.49		.18	.44	.47	4.14
Morgantown	Monongahela		.05					.21	.16	.31	T.					.60	.19	.13	T.						.02	T.	1.13	T.		.15	.24		3.19
Mt. Clare	West Fork		.05					.27	.29	.35					.72			.29		.37							.86			.54	.60		4.84
New Cumberland	Ohio		.07	.02				.46	.02	.26	T.	T.			T.	.54	.01	.04	.13						.31		.36			.02	.36		2.60
New Martinsville	do		.16					.32	.09	.20					.18	.61		.16	.04					.04	T.	1.36			T.	.10		3.26
Parkersburg [1]†	do		.10					.30	.28	T.					.45	.24	.03	.26	.99	.26		.01	.03	.03	T.	1.70			.07	.25		5.00
Parsons	Cheat		.08					.14	.15	.72	T.	T.			T.	.41		.01	.18	.09	T.			T.	.29	.06	.52	T.		.08	.37	.01	3 11
Philippi [2]	Tygart		T.	.04				.03	.08	.52	.04		T.			.48	T.	T.	.15	.05	.03				.17		T.	.54	T.	.04	.14	.07	2.38
Pickens	do		.30					.55	.45	.27	.18				.02				.62	.64					.14	.21	.45			.22	1.24		5.29
Roanoke	West Fork							.17	.30	.32						.82			.08	1.58	.08				.01		.49			.04	1.01		4.90
Rockford †	do		.09					.27	.28	.42							.68	T.	T.	.40					.10	T.	.61	T.		.26	.67	T.	3 78
Rowlesburg [2]	Cheat			.20				.12	.29	.64	T.	.06	T.			.51			.20		T.				.12	T.	T.	.73		T.	.18	T.	3.05
Saint Marys [2]	Ohio		.05	.07				.18	.21	.20	.04					.79		.02	.23	.58					.04		.04	1.68			.15	.08	4.36
Salem	West Fork							.20	.35	.49						1.13		.33	.14	.13													3.99
Shinnston	do							.07	.30	.25					T.	.90		.44									1.22						3.28
Thomas [2]	Cheat			.05				T	.20	.80	.07					.62	T.		.10						.15		1.02		.05	.10			3.17
Valley Chapel	West Fork		.06					.26	.22	.57						.98		.07	.15	.32	.06			.01	.11		.42	.35		.08	.71	.01	4.38
Valley Head [2]	Tygart		T.	.05				T.	.21	.90	.01	T.	T.			.36	.12		.11	.27	.06				.13			.18	.24		.03	1.37	4.07
Vandalia †	West Fork		.02					.18	.21	.27						.64			.09	1.05							.72			.10	.90		4.18
Wellsburg (near)	Ohio		.12					.38		.25					T.	.64		T	.15						.12		.51	.09			.44		2.70
West Milford	West Fork		.10					.30	.18	.50		.05			T.	.92		.32	.20	.31	.10				.10		.53	.45	.08		.90		5.04
Weston [2]	do			.09				.08	.18	.62	T					.82			.08	.16	.46			T	.14		.05	.74		.05	.30	.48	4.25
Wheeling (Dam 12) [2]	Ohio		.02	.07				.05	.18	.37	.03	T.	T.			.63		.02	.08					T.	.09	T.		.45			.10		2.09
Southern Division																																	
Alderson	Greenbrier							T	T.	.81		T.				.68			T.	.44	T.				T.		.38	T.		T.	.30		2.61
Arbovale	do		T					.16	.15	.60		T.				.76		.30		.30				T.	.27	.10	.08			T.	.50		3.22
Athens	New	.06	T.							.60	.17	.02	T.			.73		.17	.29	.44	.02				.08	.02	.12		T.	.16	.06		2.94
Bluefield	New		.06						.65	.23		.08		.05	.87			.02	.23	.58					.08	.02	.12	.02		.26	.67	T.	4.12
Camden-on-Gauley [2]	Gauley							.17		.57						.31		.26		.65	.05												2.65
Charleston	Gr. Kanawha		.09	T.				T.	.07	.58					1.08		T.	.20	.38					.06		.13	.23		.02	.18	T.	3.02
Charleston (Airport) [4]	do		.07					.11	.50	T.	.15			.85	.01	.03	.13	.36	.11					.08	.04	.13	.31		T.	.10	.11		3.09
Clay	Elk		.01	.09				.06	.16	.77		.04				.83			.47	.32	.04						.19	T.		.18	.21	.38	3.75
Flat Top [4]	New		.10					.04	.59	.20	.03	.06		.20	.54		.56	.45	.48	.04			T.	.06	.05	.07			.07	.09		3.63
Gary [2]	Big Sandy		.02	.05					.01	.64					.73			.88	.95	.01				.08		.17	T.		.07		.10	3.71
Greenbottom †	Ohio							.26	.17	.12		.02		.22	.47	T		.47	.08							.26	1.05				.19		3.31
Hinton [2]	New			.18				.01	.03	.75	.02	.05			.88	.01		.19	.96	.09				.05		.08	.01		.03	.43	.05	3.82
Hogsett [2]	Ohio		.13					.10	.25	.23		T.			.75			.29	.58	.07				.14		.10	1.65		.05	.25		4.59
Huntington	do		.13					.17	.13	.11	.04			.11	.45		.12	1.03	.03				T.	.12	.08	.59			.03	.27		3.41
Kayford [2]	Gr. Kanawha			.10					.03	.83		.10			.83			.72	.58	.30								.90			.26	.55	5.20
Lewisburg	Greenbrier		.06	.05				T.	.13	.68	T.	.09			.72	T.		.20	.49	.10				.08		.09	.02	.02	.02	.02	.03	2.80
Logan [2]	Guyandot			.14				.02	.10	.55	T.	.07			.66	T.		.62	.40	.02				.02		.12	.16		.02	.14	.38	3.42
London Locks [2]†	Gr. Kanawha								.34	1.00					.75			.32	.51							.30						3.22
Madison [2]	Coal			.05					.10	.65					.70			.52	.60	.82		.30				.15	.08		.02	.77	.35	5.11
Oak Hill [2]	New																																
Pineville [2]	Guyandot		.17				.02	.10	.23	.37		.02			.84		.02	.24	.57	.19					.37		.14	1.59		.05	.32		5.24
Point Pleasant [2]	Ohio							•	•	.64	T.				.67			.22	.97	.01					.03	.04		.01			.05	.02	2.66
Princeton [2]	New		.11																														
Rainelle	Greenbrier		.06	.05				.18	.75	.22	.04	.01		.01	.66	T.	.31	.07	.56	.08			T.	.10	.04	.31			.40	.12		3.97
Ravenswood [2]	Ohio			.14				.07	.27	.23				.08	.75		.06		.70	.23				.15		.04	1.60		.05	.20		4.54
Richwood [2]	Gauley								.34	.73					.53			.31	.43	.09				.20		.11	.26				.22	3.36

Continued on next page.

Daily Precipitation for March 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																																
Seneca State Forest†	Greenbrier															1.06	.01		.38	.77	.26					.10	.02	.86		.06	.30		4.68
Spencer[2]	Litl.Kanawha		.05	.07	T.			.01	.19	.54						.73			.35	.20	.10				T.		.15	.10			.55	.20	3.29
Summersville[2]	Gauley			.20					.20	.51						.95		.12	.15	.55	.08	T.			.09	.06	.16	.23		.05	.42		3.80
Sutton	Elk		.12					.22	.26	.34						.75			.05	.30	.10				.10		.10	.05			.30	.25	3.20
Union[2]	New			.10						1.00		.10				.78			.40	.43					.21		.27	.41		.13	.16		3.29
Wayne[2]	Twelvepole							.20		.30																							
Webster Springs	Elk														T.	.79	T.		.08	.41	.12			.06				.09		.09	.25		2.82
White Sulp'r Spgs.	Greenbrier		.03					T.	.24	.63	T.					.58			.15	.47	.02				.17		.08	.04	.02	.32	.04		2.83
Williamson[2]	Big Sandy		.05						.15	.74						.79		T.	.22	.42	.03				.13		.14	.65		.04	.04	.03	3.03
Winfield Locks[2]†	Gr. Kanawha		.07					.17	.30						*	.79		T.	.22	.42	.03				.13		.14	.65		.04	.04	.03	3.03

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. † First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skiu Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for March 1946

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	56	45	46	67	52	74	60	57	50	39	38	58	65	60	66	52	53	43	36	38	62	67	57	57	63	61	62	74	67	62	58	56.3
	Minimum	15	26	29	24	30	28	45	32	27	13	23	12	23	28	28	42	36	31	29	24	18	22	35	34	25	45	32	36	38	44	21	29.0
Bluefield	Maximum	57	56	53	67	72	70	63	54	56	52	43	61	62	60	60	60	62	48	48	56	63	68	68	70	66	67	72	72	69	68	70	61.7
	Minimum	32	35	33	36	45	52	52	42	33	28	28	30	46	54	50	46	44	45	38	32	30	37	45	46	45	52	49	50	55	56	45	42.3
Brandywine	Maximum	60	50	60	75	70	74	65	56	57	50	45	64	70	64	68	62	59	53	45	55	67	75	63	62	68	70	76	78	70	65	62	63.1
	Minimum	12	28	25	21	27	28	50	32	30	15	25	12	24	28	40	41	37	35	26	20	17	20	32	35	25	40	40	31	42	40	22	29.0
Cairo	Maximum	66	68	59	75	76	77	72	60	60	45	47	68	73	75	63	72	78	73	57	68	78	74	72	71	79	59	75	88	81	80	68	69.6
	Minimum	20	37	27	29	32	33	33	37	33	20	31	18	28	38	58	43	45	40	43	27	27	30	42	46	33	49	46	38	50	57	34	36.3
Charleston (Airport)	Maximum	69	55	68	75	79	73	66	62	47	44	48	71	77	72	68	70	72	71	51	63	74	77	67	73	58	66	79	84	80	66	78	67.7
	Minimum	25	38	32	36	38	36	42	44	37	25	32	23	33	45	49	46	48	45	42	32	29	38	48	54	37	50	49	45	55	53	36	40.1
Clarksburg[3]	Maximum	64	50	56	70	71	71	61	55	38	46	44	65	72	71	61	68	69	63	47	60	73	70	67	64	62	59	72	80	75	64	66	63.1
	Minimum	21	22	32	29	32	35	37	37	34	20	23	19	20	29	39	42	41	42	40	34	27	28	34	43	34	35	51	41	43	54	35	34.0
Cranberry Glades	Maximum	54	62	63	70	67	67	68	60	67	46	64	64	54	67	63	64	63	61	56	62	68	69	85	68	66	63	68	71	78	67	67	64.6
	Minimum	14	30	32	25	27	27	45	31	26	18	22	15	13	35	45	33	40	40	31	31	20	20	30	35	25	40	46	30	49	38	22	30.2
Elkins	Maximum	61	47	56	71	73	77	61	60	47	42	40	65	70	63	59	62	69	66	41	59	69	66	63	67	62	66	69	79	73	60	64	62.2
	Minimum	19	33	30	27	32	32	38	33	28	19	23	18	32	36	48	39	44	36	36	30	23	27	41	41	34	49	45	37	50	38	28	33.7
Fairmont[3]	Maximum	67	58	60	76	76	77	68	63	58	48	49	66	74	72	62	68	74	65	50	65	75	75	66	70	66	59	73	84	80	70	65	67.1
	Minimum	22	38	30	32	35	39	44	37	32	21	30	20	31	38	52	48	46	45	42	31	28	33	40	50	35	51	51	43	54	57	34	38.4
Flat Top	Maximum	55	44	58	69	71	63	57	50	49	36	39	59	63	55	58	51	59	52	43	55	63	65	60	63	60	65	69	67	67	57	66	57.7
	Minimum	22	31	34	32	45	49	45	39	29	20	24	22	38	48	48	40	42	42	32	28	31	26	40	39	43	50	48	44	50	47	36	37.6
Gary[3]	Maximum	66	50	64	75	78	75	65	60	47	48	47	70	72	65	67	65	70	67	48	62	72	73	66	71	68	73	77	75	76	64	74	66.1
	Minimum	23	24	28	33	33	35	39	41	39	24	33	22	24	24	47	41	41	42	43	37	28	31	35	42	45	49	49	47	49	56	47	37.1
Grafton	Maximum	68	44	42	73	74	73	56	54	42	48	41	65	66	72	68	68	67	70	58	52	70	72	71	64	72	61	60	70	78	64	72	63.1
	Minimum	22	36	32	30	33	44	38	42	30	24	30	20	30	42	51	49	45	46	49	39	31	42	48	49	51	52	49	54	56	56	52	41.0
Hamlin	Maximum	68	55	69	77	79	73	63	60	49	43	48	70	77	70	70	71	70	68	52	63	73	76	65	73	57	66	77	82	75	68	73	67.1
	Minimum	21	34	27	32	33	33	41	38	37	23	30	19	29	43	48	41	41	39	46	32	26	31	43	44	35	48	46	42	50	56	35	36.9
Huntington	Maximum	68	61	70	76	80	74	71	60	58	45	50	70	78	70	71	73	67	64	52	65	72	77	69	74	67	60	79	84	84	72	72	68.7
	Minimum	26	38	33	41	42	40	53	38	37	29	29	25	35	50	53	45	50	43	43	35	33	38	49	54	42	51	48	48	55	58	40	42.0
Logan[3]	Maximum	70	50	71	78	81	76	65	62	50	39	50	74	72	70	71	76	60	62	54	65	75	79	67	75	57	71	80	85	80	70	76	68.1
	Minimum	27	28	32	37	37	38	40	45	39	29	33	26	27	38	52	47	48	46	46	39	32	32	38	47	44	48	53	49	50	56	44	40.2
Madison[3]	Maximum	45	45	42	41	39	65	44	45	40	33	35	51	50	56	79	73	76	64	53	64	74	76	68	73	73	73	73	76	81	79	69	76	59.9
	Minimum	28	28	28	32	35	36	38	43	38	27	32	24	28	46	49	44	48	43	47	36	29	34	42	48	38	39	50	41	48	54	41	38.5
Mannington	Maximum	66	60	60	75	75	75	66	60	57	47	46	67	73	73	61	69	75	67	50	65	75	73	68	69	66	59	73	85	81	74	67	67.0
	Minimum	18	34	25	25	29	32	52	32	31	16	28	16	25	32	51	40	37	41	41	23	23	28	38	41	32	48	48	40	47	53	30	34.1
Martinsburg	Maximum	52	44	57	78	74	75	68	52	52	47	44	59	72	72	65	53	46	41	37	35	30	28	26	38	34	40	51	48	46	47	44	32	36.4
	Minimum	22	30	34	30	41	36	45	41	37	25	24	20	29	41	50	46	41	37	35	30	28	26	38	34	40	51	48	46	47	44	32	36.4
Middlebourne	Maximum	62	55	60	75	77	75	57	59	39	48	47	69	74	73	63	70	74	71	51	63	74	75	70	72	66	60	74	83	81	69	68	66.1
	Minimum	22	46	27	31	34	36	56	34	32	20	19	20	31	39	53	41	43	45	41	25	27	31	42	44	35	50	48	42	50	57	37	37
Morgantown	Maximum	65	59	55	72	72	75	70	62	58	44	44	65	70	73	65	63	69	64	46	63	71	72	65	68	65	61	68	81	77	66	62	64.5
	Minimum	27	35	32	54	49	53	52	32	30	19	27	26	46	50	51	49	45	43	38	30	33	42	34	46	40	51	53	44	67	54	29	41.5
New Martinsville	Maximum	66	60	61	75	76	73	69	61	58	47	46	68	74	75	62	70	73	70	58	64	75	74	66	70	64	60	73	84	82	73	66	67.5
	Minimum	22	38	29	31	35	38	40	37	32	21	29	21	31	40	53	44	44	46	43	30	29	33	40	46	38	50	49	46	51	56	35	38.0
Parkersburg	Maximum	65	54	64	75	77	71	62	61	49	45	46	67	74	71	66	69	69	70	51	64	73	72	65	71	64	60	76	81	80	68	65	66.0
	Minimum	28	38	35	46	43	44	40	36	32	26	30	27	45	51	55	49	51	50	42	36	34	40	43	51	42	53	52	46	57	46	39	42.2
Petersburg	Maximum	60	49	61	79	74	79	65	50	50	49	43	66	74	67	69	57	52	44	40	59	69	75	64	66	70	68	77	80	66	60	62	62.8
	Minimum	21	41	40	36	34	36	46	37	37	26	25	19	43	37	49	47	43	39	35	27	26	29	43	38	30	50	50	40	48	39	29	36.6
Pickens	Maximum	60	45	50	69	70	75	60	59	54	43	40	63	70	67	65	62	72	72	62	58	70	69	64	68	61	64	70	78	72	56	66	63.0
	Minimum																																
Point Pleasant	Maximum	64	55	66	72	75	74	70	70	57	46	45	66	75	75	66	70	71	67	67	65	72	75	73	72	69	57	78	82	80	79	70	68
	Minimum	26	37	32	41	42	40	52	37	35	28	30	27	38	45	51	42	48	45	47	33	33	37	46	53	42	51	48	47	57	56	38	41.4
Rainelle	Maximum	56	51	61	72	71	66	60	53	54	40	41	62	65	59	63	54	60	54	47	60	69	74	65	66	61	60	75	73	70	69	70	61.2
	Minimum	17	30	27	26	27	28	48	35	31	19	25	18	24	36	37	37	43	45	32	32	22	25	35	39	29	45	47	37	54	45	36	33.3
Ravenswood	Maximum	62	53	63	72	72	67	53	56	45	41	46	63	71	59	60	68	59	52	48	62	68	74	68	70	55	57	71	74	76	65	68	61.4
	Minimum	23	35	29	37	36	37	48	38	33	23	29	23	33	46	49	42	51	44	44	35	29	33	44	50	37	50	46	40	42	56	37	38.2
Richwood	Maximum	59	47	60	66	69	72	60	57	47	41	41	62	68	60	60	57	62	66	46	61	70	68	66	64	63	69	72	75	76	62	67	61.4
	Minimum	21	23	26	27	32	36	44	34	30	18	19	19	21	28	45	38	40	37	36	29	22	26	33	36	28	33	46	36	40	46	36	31.6
Spencer[3]	Maximum	67	53	65	76	76	72	59	60	44	44	44	69	75	70	65	70	72	71	46	61	74	73	57	68	72	62	76	83	78	64	72	65.4
	Minimum	21	44	27	27	34	37	58	35	34	20	30	20	36	45	50	40	52	41	44	32	27	33	45	40	48	35	50	40	54	58	37	38.4
Summersville[3]	Maximum	61	60	68	73	73	78	61	59	39	42	51	63	74	62	60	63	69	67	48	49	70	70	66	67	63	67	73	72	78	58	67	63.3
	Minimum	18	30	25	41	22	28	55	33	31	17	26	16	22	38	46	32	42	29	39	30	22	21	35	42	28	41	41	37	49	52	37	33.3
Sutton	Maximum	65	65	64	75	77	77	74	60	60	44	49	68	73	73	71	70	70	68	68	66	74	74	72	72	66	77	80	80	80	73	69	69.4
	Minimum	21	36	32	30	32	43	44	40	35	20	31	29	30	29	44	42	41	40	39	30	26	30	44	44	34	44	43	40	50	50	33	36.6
Wardensville[3]	Maximum	58	52	59	78	74	75	67	59	44	48	43	62	62	67	61	50	48	41	38	34	24	23	25	36	35	34	38	49	38	44	54	48	48.6
	Minimum	19	35	34	25	30	33	50	37	43	22	31	17	26	34	46	45	41	38	34	24	23	25	36	35	34	38	49	38	44	54	28	34.6
Weston	Maximum	69	60	60	76	78	76	64	61	42	41	46	70	76	70	64	72	78	76	46	66	75	74	71	70	72	65	75	83	84	65	68	67.4
	Minimum	23	48	39	41	38	37	59	40	38	21	30	20	33	40	52	46	43	41	42	33	29	36	48	51	38	52	54	40	56	59	38	41.1
Wheeling[3]	Maximum	63	51	58	71	72	72	58	60	40	45	44	65	72	74	63	62	70	64	54	64	74	70	64	68	67	58	70	81	78	66	61	63.3
	Minimum	26	27	31	33	43	40	41	37	34	23	24	24	28	40	42	49	45	45	43	30	30	32	35	36	42	43	50	48	47	55	33	37.4
Williamson[3]	Maximum	70	56	72	80	81	76	78	63	53	44	53	73	77	79	73	69	78	66	57	66	76	79	69	73	57	74	82	80	82	71	77	70.3
	Minimum	26	26	32	32	32	38	41	42	40	29	30	26	26	36	52	46	49	43	43	40	32	35	37	46	46	52	53	50	51	55	46	39.6

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—6-14-46—925)

57.05
NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

VICTOR T. HORN
PARKERSBURG, W. VA.

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VOL. LIV APRIL 1946 No. 4

GENERAL SUMMARY

Although the monthly mean temperature of 53.2° averaged 1.4° above normal, yet there were numerous cold nights. Light to heavy frosts, some of which locally were killing frosts, occurred on the 7th, 10th, 11th, 17th, 18th, 19th, and the 28th. Considerable damage was done to cherries, peaches, and plums. Apples were not hurt so much. All stations averaged above normal in temperature except a few in the northern panhandle, the north-central part of the State, and the northeastern panhandle.

Precipitation was very deficient. It averaged 40% of normal for the northeastern panhandle, 51% for the northern division, 76% for the southern division, and 57% for the State. The mountain counties received a snow blanket on the night of the 11-12th, ranging from light, in most places, to 6 inches on the higher elevations in Pocahontas County. Hail fell at Logan on the 27th; not much damage was done. High winds on the 4th caused a small amount of damage at widely scattered places in the State. The winds fanned smoldering discarded matches and cigarettes into flame, starting a few grass fires and also causing small fires to develop on two bridges. A forest fire was noted east of Buckhannon by the observer at that place.

It was a good month for planting and soil preparation but did not have the best of growing weather. Frosts were frequent, damaging part of the fruit bloom. Owing to scanty rainfall, pasture and meadow grasses, also the winter grains, made but fair growth. Spring seeded oats came up to good stands. Practically all corn land was ready to plant at the close of the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 66 stations, was 53.2°, or 1.4° above the normal. The mean for the northeastern panhandle division was 50.8°; for the northern division, 51.8°; and for the southern division, 55.2°. The highest monthly mean was 60.3° at Hinton and the lowest, 45.6° at Brandonville. The highest temperature was 92° at Williamson on the 22d, and the lowest, 16° at Cranberry Glades and Seneca State Forest on the 13th and at Cranberry Glades again on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 91 stations, was 1.99 inches, or 1.52 inches below the normal. In the northeastern panhandle division, the average was 1.22 inches; in the northern division, 1.87 inches; and in the southern division, 2.59 inches. The greatest monthly precipitation was 4.88 inches at Bluefield No. 2, and the least, 0.44 inch at Kearneysville. The greatest amount in any 24 consecutive hours was 1.33 inches at Cranberry Glades on the 25th. The average monthly snowfall was 0.4 inch, or 1.1 inches below the normal. The greatest monthly snowfall was 6.0 inches at Spruce Knob. The average number of days with 0.01 inch or more of precipitation was 9.

ERRATA

September 1945, Page 34, New Martinsville: Mean temperature 70.2°, departure +1.7. Williamson: Total precipitation 4.30, departure +1.31. Page 36, Williamson: Total precipitation 4.30.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense								1	1		1	1	2			1		2				1	1	2	3	4			4	13	
Frosts killing			1	1							1		13				1	3			10						20				
Gales	2	7	4	33	14	8			2	1	3		1		18		1	1	6			2	2		4	2					
Hail																					1						1				
Halos, lunar															1		1														
Halos, solar															1		1														
Sleet																															
Thunderstorms	1	13	3					3								1								24	1	2	1		12	1	

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.43	21	29.69	25	7.5	30	nw.	4	79	49	60	62	275
Columbus, Ohio	30.48	21	29.66	25	10.0	46	sw.	4	75	52	61	58	424
Elkins	30.49	21	29.60	26	8.1	35	w.	4	82	52	60	44	485
Huntington Airp't.	30.43	20	29.64	25	.....	28	w.	4	77	42	54	....	252
Parkersburg	30.47	21	29.61	25	7.0	30	nw.	4	67	39	47	52	335
Petersburg, W. Va.	30.55	21	29.56	26	.....	32	n.	15	75	44	53	....	379
Pittsburgh, Pa	30.51	21	29.58	26	10.9	44	w.	4	71	48	56	49	412

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	52.0	.....	.....	1.64	3.08	2.50	2.81	.....	.....	.....	.....	.....
1892	50.6	87	17	3.16	4.31	4.83	4.28	.....	7	.....	.....	.....
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	.....	9	11	9	10
1896	57.7	95	12	1.56	2.20	2.06	2.06	.....	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	.....	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	.....	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	0.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	1.35	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	7.05	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	0.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	0.3	8	15	8	7
1907	45.6	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	0.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	0.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	0.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	0.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	0.1	11	10	9	11
1915	55.5	101	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	0.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	0.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	0.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	0.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	101	6	3.01	2.51	3.18	2.89	0.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	0.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	0.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	0.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	0.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	0.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	0.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	0.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
1942	54.7	97	13	1.63	2.40	1.30	1.86	0.5	7	15	8	7
1943	47.8	85	10	2.92	4.18	3.74	3.84	3.5	13	9	10	11
1944	50.7	90	11	3.10	5.18	4.07	4.43	2.4	15	8	10	12
1945	55.5	92	12	2.90	3.79	2.99	3.37	T.	10	11	11	8
1946	53.2	92	16	1.22	1.87	2.59	1.99	0.4	9	11	9	10
Period	51.8	101	−4	3.05	3.70	3.43	3.51	1.7	11	11	8	11

Climatological Data for April 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	45.9	+2.2	80	22	16	11	2.12	−1.72	0.46	29	T.	13	9	7	14	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	30	49.2	−0.7	87	22	16	11	1.84	−0.83	0.85	25	T.	6	17	5	8	s.	E. L. Keister
Great Cacapon	Morgan	500	2	52.4	.....	83	1†	22	10	0.60	.....	0.29	1	0	6	8	8	14	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	0.76	−2.49	0.42	3	0	6	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	53.4	.....	90	23	25	11	0.51	.....	0.25	12	0	5	9	12	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	53.6	+2.3	89	23	27	11	0.44	−2.84	0.15	29	0	8	15	10	5	w.	University Exper. Station
Martinsburg	Berkeley	435	54	51.3	−0.3	87	23	26	11	0.74	−2.37	0.34	3	0	8	15	9	6	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	52.4	+0.6	90	22	17	11	0.94	−2.02	0.37	12	0	4	8	13	9	w.	R. E. Saville
Petersburg	Grant	1,029	7	52.2	.....	87	22	24	11	1.13	.....	0.32	2	T.	10	5	10	15	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	51.8	+1.4	86	22	26	11	1.19	−1.82	0.46	12	0	8	11	10	9	nw.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	2.41	−1.34	0.54	29	5.0	10	5	7	18	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	50.8	+1.2	87	22	20	11	0.57	−1.94	0.30	11	0	7	18	6	6	.....	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	1.66	−2.14	0.47	29	0	9	7	10	13	w.	L. Esle Bond
Benson	Harrison	1,080	21	52.4	−0.2	85	22	21	13	2.34	−0.87	0.65	29	0	11	10	13	7	.....	R. D. Marts
Bens Run	Pleasants	652	45	54.5	+1.7	84	22	29	13	1.44	−2.12	0.46	29	0	11	19	9	2	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	45.6	.....	80	22	18	7†	1.73	.....	0.53	16	T.	7	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	22	54.6	+2.3	84	22†	23	13	1.70	−1.66	0.45	29	0	8	11	8	11	n.	M. D. Hawkins
Buckhannon	Upshur	1,411	55	50.6	−0.5	80	23	24	13	1.95	−1.94	0.49	29	T.	13	12	7	11	.....	Ross Bonar
Cairo, 3 miles S	Ritchie	680	40	54.1	+0.1	85	23†	25	13	1.53	−1.93	0.61	29	0	10	12	16	2	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	46.5	.....	76	22†	20	11	2.26	.....	0.67	29	3.2	14	3	16	11	w.	George B. Thompson
Clarksburg	Harrison	1,015	23	49.2	−2.0	81	22	25	13	1.92	−1.45	0.60	24	0	9	15	3	12	w.	Clarksburg Water Board
Creston	Wirt	640	45	56.0	+2.6	85	23	25	13	1.01	−2.65	0.30	29	T.	8	4	21	5	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	51.4	.....	86	22	27	13	1.48	−1.99	0.38	16	0	12	13	5	12	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	2.23	−1.09	1.01	23	0	14	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	1.84	−1.45	0.46	23	0	11	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	1.70	−1.48	0.63	29	0	8	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	1.73	−1.51	0.47	29	0	7	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	1.69	−1.48	0.56	29	0	7	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	47	49.0	+1.6	80	22	24	11	1.93	−1.69	0.56	29	2.3	14	5	8	17	nw.	U. S. Weather Bureau
Fairmont	Marion	883	54	53.2	+1.4	89	22	26	13	1.28	−1.99	0.31	29	0	11	9	6	15	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Howard R. Brannon
Grafton	Taylor	1,050	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. W. Clayton
Grantsville	Calhoun	760	2	54.0	.....	85	2†	18	13	1.40	.....	0.50	29	0	5	.....	.....	.....	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	6	50.1	.....	83	22	25	12†	1.57	.....	0.50	23	0	12	5	7	18	n.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	2.60	−1.41	0.67	16	0	13	10	12	8	w.	L. G. McIntyre
Jane Lew	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	1.56	−2.09	0.50	29	T.	10	.....	.....	.....	.....	Mrs. Reta Goldsmith
Mannington, 1½ mi. NW	Marion	974	44	51.1	0.0	86	22	21	13	2.09	−1.61	0.37	16	0	12	8	7	15	w.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	5	53.0	.....	85	21†	24	12	1.78	.....	0.54	16	0	8	11	6	13	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	70	52.3	+0.6	82	22	25	11	1.59	−1.56	0.39	15	0	11	9	17	4	.....	State Dairy Farm
New Cumberland	Hancock	671	51	48.6	−0.6	76	23	21	13	0.96	−2.32	0.52	16	0	10	14	6	10	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	53.2	+0.1	86	22†	26	13	2.06	−1.44	0.40	15	0	10	11	11	8	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	54.3	+0.9	84	22	30	13	1.63	−1.56	0.71	29	0	12	4	9	17	nw.	Section Center
Parsons	Tucker	1,649	47	49.8	+0.6	83	22	23	11†	2.26	−1.50	0.59	29	T.	15	5	14	11	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	1.41	−2.31	0.47	29	T.	9	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	.....	.....	81	22	.....	.....	3.13	−2.06	0.86	12	T.	10	10	7	13	w.	Dr. J. L. Cunningham
Roanoke	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	1.78	−1.80	0.51	29	0	8	13	7	10	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	61	51.6	.....	84	22	.....	.....	2.36	−1.83	0.57	16	0	10	13	0	17	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	2.11	−1.31	0.69	29	0	10	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	2.42	−1.76	0.60	29	1.0	11	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	54.9	+1.8	86	22	24	13	1.46	−1.95	0.50	29	0	12	11	12	7	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	50.2	+0.6	84	22	19	11	1.81	−1.35	0.49	1	0	10	12	9	9	.....	George P. Pfister
West Milford	Harrison	979	20	.....	.....	.....	.....	.....	.....	2.49	−1.33	0.60	23	0	13	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	56.2	+3.4	86	22	26	13	1.57	−1.94	0.41	24†	0	9	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	50.4	−1.2	83	22	28	11	1.69	−1.54	0.60	16	0	9	15	0	15	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	54.0	.....	87	3	24	13	2.58	.....	0.87	9	0	5	12	13	5	.....	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	2.53	−0.69	1.00	25	3.0	8	9	10	11	w.	H. S. Sutton
Athens	Mercer	2,600	6	55.0	.....	81	3†	27	13†	2.82	.....	1.19	25	T.	9	17	7	6	nw.	Concord College
Bluefield	Mercer	2,558	51	55.0	+1.4	82	3	*28*	28	2.89	−0.22	0.84	25	0.2	11	15	5	10	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	59	58.0	+1.7	88	2†	31	13	1.96	−1.91	0.64	25	T.	11	15	8	7	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	56.8	.....	87	23	29	13	2.45	.....	0.66	29	0	12	5	12	13	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	51.9	.....	82	3	16	13†	3.44	.....	1.33	25	*4.0*	8	10	10	10	se.	Department of Justice
Flat Top	Mercer	3,235	8	51.6	.....	78	3†	28	13†	2.99	.....	0.99	8	0.2	10	13	8	9	nw.	U. S. Airway Station
Gary	McDowell	1,426	29	56.2	+2.8	85	23	28	28	4.02	+0.53	1.15	30	T.	11	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	7	56.2	.....	87	23	31	17	1.73	.....	0.79	29	0	6	9	8	13	n.	State Forest Nursery
Hamlin	Lincoln	641	3	55.5	.....	87	23	26	13	2.07	.....	0.64	25	0	7	13	7	10	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	60.3	+7.1	90	23	34	13	2.91	−0.29	0.92	25	0	9	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	59.4	+4.8	89	23	32	13	2.08	−1.43	0.67	29	T.	10	13	6	11	ne.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	2.35	−1.71	0.60	25	0	8	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	33	59.0	+1.7	91	3†	32	13†	2.16	−1.99	0.57	24	T.	11	18	7	5	.....	J. W. Ruff
London Locks	Kanawha	623	11	57.6	.....	89	2	25	18	2.69	−0.62	0.73	24	0	11	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	25	57.8	+3.5	87	22†	29	13	1.53	−2.31	.....	.....	0	....	14	14	2	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	53.8	.....	82	2	27	13†	2.48	.....	0.88	25	T.	9	13	3	14	.....	M. H. Martin
Pineville	Wyoming	1,350	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	56	58.5	+3.6	86	22†	32	11†	1.94	−1.37	0.65	29	T.	9	14	8	8	ne.	E. C. Winger
Rainelle	Greenbrier	2,424	15	51.2	+3.0	81	23	22	13	2.81	−1.38	0.88	25	0	12	14	4	12	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	54.5	+0.7	83	23	26	13	1.32	−1.84	0.44	29	0	9	15	3	12	ne.	Lockmaster
Richwood	Nicholas	2,193	15	49.6	−0.3	80	23†	22	13	3.45	−0.39	0.78	12	*3.0*	9	11	4	15	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	7	49.4	.....	89	18	16	13	2.79	.....	1.16	25	T.	7	10	11	9	w.	Supt., State Forest
Spencer	Roane	789	47	54.7	+1.9	86	22	25	12	1.35	−2.04	0.44	29	T.	10	5	18	7	.....	A. M. McKown
Summersville	Nicholas	1,900	10	51.0	.....	82	22	22	13	2.45	.....	0.75	12†	0	6	4	22	4	.....	A. E. Dorsey
Sutton	Braxton	850	43	56.3	+3.5	82	2†	26	13	2.99	−0.86	0.70	25	0	10	20	9	1	.....	C. B. Eakle
Union	Monroe	2,200	42	53.0	+1.2	84	22†	23	13	2.66	−0.23	0.70	8	0	8	..	.....	.....	.....	C. B. King
Webster Springs	Webster	1,500	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Mrs. Vergie Kessler
White Sulphur Springs	Greenbrier	1,914	32	55.3	+3.9	85	23	24	13	2.24	−1.04	1.05	25	T.	9	3	18	9	w.	Ashford General Hospital
Williamson	Mingo	673	45	59.1	+3.6	92	22	31	13	2.23	−1.45	0.55	25	0	9	20	2	8	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	55.8	.....	86	23	32	13†	1.93	.....	0.51	29	0	10	11	0	19	w.	Lockmaster
State averages and	extremes	.....	....	**53.2**	**+1.4**	**92**	**22**	**16**	**13†**	**1.99**	**−1.52**	**1.33**	**25**	**0.4**	**9**	**11**	**9**	**10**	**w.**	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period c record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. Figures and letters after name c station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for April 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.04	.10	T.	T.		.15		.06				.30				.30							.25	.07	.14	.14	.05		.46	.06		2.12
Brandywine	do		T.						T.				.51											.10	.03	.85				.22	.13		1.84
Brushy Run[2]	do		.04	T.						.05			.30	.05			.02								.19	.25	.14	.02		.29	T.		1.35
Harpers Ferry [2]	do			.42						.08			.03												T.	.05	.08		.10			0.76
Inwood	do		.03						.05	.03			.25								T.			T.		T.	T.		.15			0.51
Kearneysville	do	T.	.03	.09	T.				.06	.01			.03												.01	.06			.15			0.44
Knobly Mountain[2]†	do		.04	.20						.09			.44	.08			.10								T.	.03	.09			.28	T.		1.35
Martinsburg [4]	do	T.	.24	.10					.07	T.		.03	.11			T.	T.		T.	T.				T.	T.	.02	.01			.16			0.74
McNeill †	do	T.	T.										.37										T.										0.94
Petersburg	do	.02	.32	T.	T.	T.	T		.01			.07	.23			.06	T.			T.				T.	.17			.25	.15				1.13
Piedmont	do	.01		.23					.01	T.			.46				.14								T.	.17	.01	T.	.01	.23	T.		1.19
Romney	do																								.07		.03			.24			
Spruce Knob [2]†	do							T.		.29			.22	.10			T.																2.49
Stony River Dam [2] †	do			.47					.10				.50				.26								.36	.39	.28	.34		.27	.24		2.41
Wardensville [2]	do				.02					T.			.28	.02											.10	.10	.14	.15		.54	.05		0.57
Northern Division																										.08	.03			.14			
Aberdeen†	West Fork	T.	T.		T.	T.	.03		.13				.24				.31				T.			.06	.19	.04	.19			.47	T.		1.66
Belington [2]	Tygart		.01	T.	T.	T.		.11	T.	.03			.22	.02			.39				T.				.23	.08	.13	.11	T.	.54	.02		1.89
Benson †	West Fork	.04	.02					.12	.03				.22				.40							.10	.56	.05	.15			.65			2.34
Bens Run	Ohio	.07	.02				.11		.02				.10			.29	.24							.02	.07		.04			.46	T.		1.44
Big Skin Creek†	West Fork			.06					.08				.28				.17				.20				.07	.32	.02			.02			1.22
Brandonville[2]	Cheat			.25	T.	T.			.12				.27				.53								.26		.10	T.		.20			1.73
Brownsville †	West Fork								.13				.20				.37							.32	.11	.05	.07			.45			1.70
Buckhannon	Tygart	.03	.01		.01		.16		.03			T	.34			T.	.39							.19	.05	.04	.20	T.		.49	.01		1.95
Cairo	Litl.Kanawha		.01					.05	.09				.01				.45								.12	.14		.04		.61	.01		1.53
Canaan Valley	Cheat	.07	T.	.11	.02			.12	.06			T.	.30				.20								.12	.14		.04		.61	.01		2.26
Clarksburg [2]	West Fork		.05					.08	T.	T.			.26	.03			.30							.09	.08	.14	.35	.02		.67	.03		1.92
Crawford	do	T.			T.		.05		.08				.29				.60							.06	.54		.10			.50			1.75
Creston [2]	Litl.Kanawha			T.				.10	.10	T.			.15				.21								.08	.10	.10	T.		.45			1.01
Dailey [2]†	Tygart		T.	T.	T.	T.		.06	T.	.06			.26	.15			.20								.06	.05	.04		T.	.30			1.93
Dam 10, Mon. R. [2]†	Monongahela		.02	.18	T.			.06	T.	.03			.18	.02			.38								.11	.21	.16	.08		.60	.04		1.48
Dam 13, O. R. [2]†	Ohio		.02	.10			.01	.04	.02	.10			.21				.54			.02	.01			.01	.31		.06	.04		.17	.03		2.23
Dam 15, Mon. R. [2]†	Monongahela			.25				.11	.05	.03			.22	.04			.32	T.						.01	1.00		.10			.05			1.84
Dam 19, O. R. [2]†	Ohio			T.				.07	.07				.35		.01		.38								.46		.07			.25	.04		1.70
Dam 20, O. R. [2]†	do			T.				.03	.06	T.			.38				.28								.17		.02			.63			1.73
Elizabeth (Dam 3)[2]	Litl.Kanawha							.10	.18				.15				.43								.43	T.	.08	T.		.47	T.		1.69
Elk †	West Fork							.10					.30				.30								.22		.05			.56			1.84
Elkins [1] †	Tygart	.01	T.	T.	.01		.16		.04			.06	.45			.17	.08			T.				.12	.01	.13	.13	T.	.06	.50	T.		1.93
Fairmont [2]	Monongahela	.03	.14				.12		.04				.24			.01	.03							.26	.06	T.	.04			.31	T.		1.28
Glenville [2]	Litl.Kanawha																																
Grafton	Tygart																																
Hackers Creek †	West Fork	.02				.05	T.	.11					.21				.39							.07			.02			.69			1.56
Hall [2]	Tygart		T.		T.	T		.12	T.	T.			.18	T.			.46								.22	T.	.19	.05		.47	T.		1.69
Harrison Co. Arpt. [4]	West Fork	.05	T.	T.	T.		.10		.01			.05	.20			.15	T.			T.				.50	T.	.01	.06		.11	.27	.06		1.57
Hastings	Ohio	.07	.22				.04	.08	.12				.35			.03	.67				.01			.29	.22		.15			.35			2.60
Horner	West Fork																																
Ireland	do						.10						.18											.07	.20	.10	.15	.05		.25			1.10
Jane Lew	do						.01	.03																T.	.05	.08	.14	.03		.40			0.74
Kumbrabow St. For.†	Tygart	.03	T.		T.		.12		.03				.18				.35							.01	.09	.04	.21	T.		.50	T.		1.56
Mannington	Monongahela	.07	.24		T		.05		1.32				.48											.32	.29	.65	.52	.02		.68	.03		4.40
Middlebourne [2]	Middle Is.Creek		.02	.05			.15	.01	.07				.26			.13	.37							.31	.10		.10			.28			2.09
Midvale [2]†	Tygart			T.	T.	T		.14	.01	.04			.21				.54								.32		.10			.41			1.78
Morgantown	Monongahela	T.	.24		.04		.04		.02	T.			.29	.01			.44								.12	.14	.23	.28		.55	T.		2.25
Mt. Clare	West Fork	.05					.07						.29			.39			.01					.22	.08		.08			.18			1.59
New Cumberland	Ohio	.03	.04				.04		.03				.57											.43		.06				.65			1.83
New Martinsville	do	.02	.16				.13		.12								.36	.16		.04				.06	.10		.10	T.					0.96
Parkersburg [1]†	do	T.	.02				.09		.07			.04	.18			.40	.32		T.	T.				.10	.31		T.	T.		.32			2.06
Parsons	Cheat	.04	.01	.04	T.		.02	.10	.06	T.			.10	T.		.48	.01		T.					.05	.05	T.	.01		.23	.48			1.63
Philippi [2]	Tygart		T.	T.	T	T.		.05	T.	T.			.38			T.	.40				T.			.07	.11	.23	.16	.01		.59	.04		2.26
Pickens	do				.18		.14					.16	.31	T.			.28				T.				.15	.04	.09	.02	T.	.45	.02		1.41
Roanoke	West Fork							T.	.08				.70											.40	.14	.50	.21	T.		.60	.10		3.13
Rockford †	do	.03	T.				.11		T.				.32				.35							.22	.11	.10	.09			.51			1.78
Rowlesburg [2]	Cheat		.12	.17	T.	T.	T.		T.	.30			.22	T.			.57				T.				.11		.23			.55			1.62
Saint Marys [2]	Ohio		.10					.16	.05	.02			.18				.55								.28	T.	.08	.16	T.	.38	.08		2.36
Salem	West Fork																								.22	.11				.69	.03		2.11
Shinnston	do	T.	•						.20			.05	.20			.15	.05																	
Thomas [2]	Cheat		.03		T.	T.		.20	.05				.36	T.			.38	T.						.10	.20		.05			.15			1.15
Valley Chapel	West Fork	.02	.04				.03	.09	.03				.19				.27								.30	.08	.12	.30		.55	.05		2.42
Valley Head [2]	Tygart		T.					.05	T.	.17			.25	.14			.14							.05	.11	.02	.11			.50			1.46
Vandalia †	West Fork						.08		.04				.26				.30								.16	.45	.35	.11	T.	.44	.26		2.52
Vellsburg (near)	Ohio	.49	.08	.08			T.		.10				.05			.22	.33		.08					.05		.23	.10			.54			1.60
West Milford	West Fork	.08	.05	.05				.12	.02				.25				.45							T.			.32			.06			1.81
Weston [2]	do			T.				.12	T.	.02			.10	.02			.31							.50	.10	.07	.24	.05		.51			2.49
Wheeling (Dam 12)[2]	Ohio		T.	.33			.03	T.	.03	.10			.24				.60			T.				T.	.41	T.	.18			.39	.02		1.57
Southern Division																								T.	.21		.12			.03			1.69
Alderson	Greenbrier																																
Arbovale	do	T.							T.	.87			.47	T.			T.																
Athens	New						T.		.26	T.		.20	.30												.72	.32	T.			.20			2.58
Bluefield	New								.10			.31	.04				.18							T.	.03	1.00	.05	T.		.57	.12		2.53
Camden-on-Gauley [2]	Gauley								.22	.42		.02	.38				.08								.07	1.19	.14	T.		.78	.01		2.82
Charleston	Gr. Kanawha								.02	.18			.52	.02			.17								.24	.84	.11	.11		44	.03		2.89
Charleston (Airport)[4]	do							.01	.10				.37				.18	.01								.60	.16	.02		1.05	.28		3.02
Clay	Elk						.05		.12			.27	.15			.21	.03		T.						.60	.04	.10	.02		.46	.07		1.96
Flat Top[4]	New						.08	.15	.06				.28	.06			.19							T.	.31	.36	.05	.10	T.	.66	.14		2.45
Gary [2]	Big Sandy								.99			.17	.18				.14								.06	.24		.30		.80	.20		2.42
Greenbottom †	Ohio								.25	.40			.35	.02			.21	T.							.05	.96	.03	.05		.40	.02		2.99
Hinton [2]	New								.11			.16	.17				.11								.01	.90	.23	.03		.47	1.15		4.02
Hogsett [2]	Ohio								.03	.65			.33				.05									.28				.79	.11		1.73
Huntington	do								.35	T.										T.						.92	.33	.01		.51	.08		2.91
Kaylord [2]	Gr. Kanawha								.07			.26	.13				.18								.02	.15	.10	.06		.68	.19		1.73
Lewisburg	Greenbrier								.11	.09			.20	.30			.13								.16	.34	.06	.07		.67	.19		2.08
Logan [2]	Guyandot																.45									.60			.20	.40			2.35
London Locks [2]†	Gr. Kanawha				T.	T.			.10	.30			.43	.04			.37																
Madison [2]	Coal							.02	T.	.08			.62	.05			.31								.57	.11	.02	.09	.09	.04			2.16
Oak Hill [2]	New								•	•			•	1.00											.73	.11	.08	.10	.45	.14			2.69
Pineville [2]	Guyandot								.08	.16			.42				.22									.13				.40			1.53
Point Pleasant [2]	Ohio							T.	.41	.05			.34		T.										.88	.20	.08			.43	.01		2.48
Princeton [2]	New						.04	.51			.33					.11	.26							.07	.08	.06	.02			.65			
Ralnelle	Greenbrier	.01						.31	T.		.15	.50	.01		T.	.11								.78	.57	.01	.01	.13	.60	.01		1.94
Ravenswood [2]	Ohio						.07	.25	.02					.07		.28								.19	.88	.12	.08		.40	.05		3.10
Richwood [2]	Gauley								.28			.78	.14			.16								.07	.06	.06			.44			2.81
																									.74	.56	.11		.54	.14		1.32
																																	3.45

Continued on next page.

Daily Precipitation for April 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio																																
Ryan	Gr. Kanawha																								.24	1.16	.10	T.		.57	.20		2.79
Seneca State Forest†	Greenbrier								.22				.30												.05	.08	.03	T.	T.	.44	.05		1.35
Spencer[2]	Litl.Kanawha							.03	.20	.03	..	.20					.24									.75	.05			.50	.15		2.45
Summersville[2]	Gauley												.75				.25							.05	.52	.70	.20	.05		.55			2.99
Sutton	Elk							.08	.24				.40				.20									.70	.35			.35	.05		2.66
Union[2]	New								.05	.65			.46				.05									.91	.12			.34	.10		2.25
Wayne[2]	Twelvepole												.52				.26																
Webster Springs	Elk																								.03	1.05	.05	T.		.23	.01		2.24
White Sulp'r Spgs	Greenbrier								.26	.02		.03	.56				T.								.45	.55	.09		.02	.18	.18		2.23
Williamson[2]	Big Sandy									.04			.49				.23									.39	.10	.05	.08	.51	.10		1.93
Winfield Locks[2]†	Gr. Kanawha								.22	.03			.28	T.			.17																

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Bellcville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for April 1946

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	61	72	67	70	53	52	52	52	54	49	51	45	51	65	71	60	59	67	67	62	64	80	78	62	57	49	42	56	53	62	....	59.4
	Minimum	24	53	38	36	33	23	43	30	39	31	16	30	20	27	33	31	25	22	27	48	19	27	32	49	44	37	28	30	36	40	....	32.4
Bluefield	Maximum	72	77	82	80	67	58	*60*	68	66	64	63	45	54	*65*	67	65	64	71	74	76	75	80	80	78	61	57	48	*50*	64	64	....	66.5
	Minimum	41	60	62	60	38	40	*40*	41	47	42	38	34	30	*35*	53	38	41	38	44	57	*30*	38	55	56	56	44	33	*28*	30	52	....	43.4
Brandywine	Maximum	64	80	78	76	66	67	63	60	62	63	62	52	60	69	79	73	67	75	73	72	73	87	85	75	67	60	46	67	66	69	....	68.5
	Minimum	26	27	45	36	33	23	26	28	26	24	16	26	18	22	38	38	25	20	27	44	20	28	37	46	43	30	28	22	36	42	....	30.0
Buckhannon	Maximum	70	74	74	72	64	57	47	62	62	49	57	54	55	68	73	60	60	70	70	70	71	79	80	68	59	56	47	62	57	70	....	63.9
	Minimum	34	64	44	50	38	33	29	29	44	29	27	34	24	36	47	36	30	28	43	50	29	34	46	50	45	37	28	25	41	38	....	37.4
Cairo	Maximum	73	77	82	75	73	61	65	64	63	52	60	58	58	78	74	72	66	71	68	76	79	78	85	85	78	73	74	59	65	74	....	70.5
	Minimum	33	58	44	49	43	38	30	39	44	32	27	39	25	43	38	36	28	28	29	31	28	29	33	47	55	53	45	35	29	43	....	37.7
Charleston (Airport)	Maximum	82	86	81	74	59	63	69	70	64	59	62	55	63	78	78	50	68	77	80	74	83	85	87	64	67	56	46	69	65	73	....	69.6
	Minimum	43	72	59	57	41	44	46	48	47	39	33	37	29	46	47	42	33	32	40	54	33	40	50	54	52	43	34	32	46	51	....	44.1
Clarksburg[3]	Maximum	73	73	66	73	51	55	62	60	54	53	55	48	55	70	71	48	67	65	74	62	71	81	79	61	62	52	46	65	63	72	....	62.9
	Minimum	34	35	44	40	41	36	28	31	44	30	30	31	25	29	39	36	32	29	32	35	32	34	37	51	51	44	30	30	35	44	....	35.6
Cranberry Glades	Maximum	73	79	82	75	68	66	64	65	71	64	63	56	53	66	73	75	70	70	73	75	71	80	80	76	65	64	53	63	66	69	....	68.9
	Minimum	28	54	50	39	30	27	37	34	49	27	27	31	16	32	49	37	38	20	38	44	19	24	36	52	49	33	16	27	38	46	....	34.9
Elkins	Maximum	69	75	70	70	49	60	56	59	55	52	60	46	51	69	72	45	60	70	71	66	75	80	78	60	57	48	45	61	58	68	....	61.8
	Minimum	44	65	46	41	31	30	30	35	34	28	24	32	24	31	45	35	30	26	31	35	26	32	42	51	46	37	31	54	42	47	....	36.2
Fairmont[3]	Maximum	70	79	72	76	68	54	62	62	63	55	55	52	60	73	73	63	66	69	73	70	78	89	83	66	67	65	51	64	63	75	....	67.2
	Minimum	35	60	42	42	42	36	28	42	45	30	29	37	26	38	50	35	33	30	31	54	33	35	47	53	51	45	32	31	44	41	....	39.2
Flat Top	Maximum	73	76	78	70	54	55	62	66	57	59	48	38	54	68	68	58	62	67	71	70	67	76	78	67	57	48	43	60	66	69	....	62.8
	Minimum	40	57	61	54	32	36	40	41	42	35	30	31	28	35	51	38	34	30	41	53	28	36	51	55	48	37	28	28	47	42	....	40.3
Gary[3]	Maximum	78	84	75	73	61	60	70	75	64	68	60	46	61	75	75	57	70	75	78	80	80	84	85	70	65	57	53	68	70	74	....	69.7
	Minimum	41	48	58	53	42	40	40	48	51	43	32	38	30	31	42	46	41	34	39	45	33	40	49	54	57	49	36	28	46	49	....	42.3
Glenville	Maximum																																
	Minimum																																
Grafton	Maximum																																
	Minimum																																72.6
Huntington	Maximum	82	86	82	79	66	63	72	73	69	59	62	60	66	78	78	67	68	80	79	77	80	88	89	75	71	68	56	69	66	70	....	46.3
	Minimum	44	69	60	59	41	48	45	49	44	39	36	37	32	49	59	43	37	36	42	57	39	40	53	56	54	44	41	36	49	52	....	73.0
Logan[3]	Maximum	83	90	91	77	66	64	74	69	69	64	65	55	60	81	79	53	71	80	82	*85*	88	91	90	68	61	60	55	72	71	77	....	45.1
	Minimum	45	49	66	61	45	45	44	50	50	44	33	38	32	34	47	47	37	35	41	49	*40*	38	51	57	57	48	41	32	50	46	....	72.3
Madison[3]	Maximum	83	86	81	78	75	65	72	78	67	62	67	53	70	77	78	50	64	78	80	83	85	87	87	64	63	61	60	70	69	75	....	43.2
	Minimum	42	45	63	61	54	38	43	47	48	42	31	38	29	30	34	45	35	37	33	52	34	42	50	56	55	46	34	31	49	53	....	66.6
Mannington	Maximum	71	77	71	74	60	53	62	62	62	54	55	55	55	60	75	73	58	66	69	72	68	77	86	80	68	71	69	49	64	64	73	....	35.6
	Minimum	29	59	35	45	40	31	23	47	42	25	23	36	21	33	40	33	26	27	27	48	27	30	44	52	49	44	27	25	44	37	....	63.9
Martinsburg	Maximum	59	82	64	74	55	62	60	43	61	56	53	54	58	65	81	55	61	72	71	70	64	82	87	69	58	54	50	65	64	67	....	38.7
	Minimum	32	44	49	44	40	40	31	34	39	35	26	32	32	31	42	41	34	29	41	53	33	33	47	51	51	45	38	30	42	42	....	63.5
Morgantown	Maximum	69	74	70	74	57	48	56	58	59	49	53	51	55	68	74	59	60	64	68	65	74	82	78	66	66	66	49	58	61	74	....	41.1
	Minimum	44	54	38	50	39	32	28	44	42	28	25	35	27	37	58	33	28	34	33	49	31	66	65	57	56	46	34	34	44	42	....	66.9
New Martinsville	Maximum	73	76	71	74	55	52	63	65	62	55	53	58	62	76	71	57	65	68	73	68	78	86	86	70	73	60	50	65	67	74	....	39.5
	Minimum	35	60	41	44	38	40	28	43	44	30	29	38	26	40	54	35	30	31	32	53	32	35	49	53	51	45	31	29	46	43	....	65.5
Parkersburg	Maximum	78	80	68	70	54	57	59	65	57	53	54	55	55	74	70	51	64	72	73	68	75	84	84	64	72	54	48	65	66	75	...	43.1
	Minimum	42	67	51	44	44	45	36	45	39	35	32	40	30	47	50	38	35	35	40	46	38	42	56	56	50	42	40	37	46	46	....	65.5
Petersburg	Maximum	64	78	72	77	55	63	62	45	62	57	58	52	58	70	80	52	66	76	76	71	71	87	85	68	59	53	49	68	60	71	....	43.1
	Minimum	31	62	50	42	42	39	32	38	38	33	24	34	28	32	48	38	33	28	34	43	29	32	46	54	47	41	37	36	44	50	....	38.8
Pickens	Maximum	70	75	72	72	56	56	58	56	52	54	62	44	48	58	72	61	62	70	70	70	80	81	80	53	59	47	41	59	56	64	....	61.9
	Minimum																																
Point Pleasant	Maximum	79	83	82	74	70	67	67	67	77	60	67	64	64	77	77	65	66	77	77	77	78	86	86	77	74	74	50	68	68	72	....	72.3
	Minimum	43	67	55	56	42	47	37	45	43	38	32	33	32	47	57	40	34	36	40	60	38	41	54	57	53	43	40	34	47	47	....	44.7
Rainelle	Maximum	75	79	79	70	61	59	66	59	60	61	50	41	56	72	74	64	66	73	77	73	74	80	81	77	58	51	50	60	64	69	....	66.0
	Minimum	34	43	52	45	33	31	40	37	43	32	26	33	22	39	35	40	30	25	32	42	24	29	41	49	51	38	27	27	47	47	....	36.8
Spencer[3]	Maximum	78	83	75	74	55	60	66	69	63	59	55	60	58	76	75	51	67	79	77	72	80	86	84	63	70	51	50	66	66	72	....	68.0
	Minimum	39	69	49	51	40	39	37	42	43	35	38	25	40	44	42	37	31	30	34	55	34	35	51	56	51	38	34	29	49	45	....	41.4
Summersville[3]	Maximum	75	80	78	71	53	57	62	68	58	60	60	46	50	72	75	53	60	72	75	70	73	82	81	62	59	52	45	62	62	67	....	64.7
	Minimum	34	58	53	53	35	32	35	38	44	33	26	28	22	35	41	40	28	25	30	51	26	30	41	40	52	37	37	28	42	46	....	37.3
Sutton	Maximum	78	82	82	78	78	63	65	66	66	64	61	61	58	77	77	73	66	75	78	78	82	82	82	82	70	60	58	67	67	72	....	71.6
	Minimum	37	62	48	52	41	35	40	38	46	36	29	39	26	42	48	42	32	29	35	52	31	34	48	51	50	40	38	30	46	50	....	41.0
Wardensville[3]	Maximum	75	77	68	75	56	60	61	51	61	57	55	51	58	67	81	53	66	74	74	69	72	87	85	67	57	52	52	66	63	68	....	65.3
	Minimum	28	45	49	39	42	34	26	32	37	31	20	36	27	29	49	43	29	26	30	44	27	26	43	59	49	39	38	34	36	42	....	36.8
Weston	Maximum	75	80	76	75	71	60	64	66	63	55	60	58	58	74	78	72	69	76	78	73	79	86	84	81	69	56	50	74	70	74	....	70.1
	Minimum	36	69	45	64	40	41	31	44	46	34	30	39	26	39	54	41	35	30	35	64	32	36	51	58	50	46	32	30	47	44	....	42.3
Wheeling[3]	Maximum	74	71	65	70	52	54	59	61	52	51	51	56	57	73	68	54	63	66	70	62	74	83	82	68	73	54	47	61	66	76	....	63.3
	Minimum	34	42	39	43	41	41	28	40	42	32	28	30	29	34	45	36	30	33	33	35	31	34	43	51	45	44	33	32	41	41	...	37.0
Williamson[3]	Maximum	84	91	91	78	67	65	75	79	69	67	66	57	68	81	81	56	60	81	83	84	88	92	91	69	64	60	54	72	75	77	....	74.5
	Minimum	45	47	70	60	40	44	45	49	52	45	33	35	31	32	45	45	37	35	35	36	37	43	46	54	58	49	44	33	39	56	....	44.0

Daily Evaporation (inches) and Wind Movement (miles) for April 1946

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.206	.046	.112	.204	.06	.088	.006	.087	.032	.168	.122	.035	.072	.109	.115	.215	.095	.115	.130	.156	.160	.136	.054	.255	.101	.000	.124	.148	.135	.039	....	3.67
	Wind movement	42	127	33	121	194	244	68	91	76	148	92	113	81	71	44	252	63	46	64	78	118	27	44	33	64	90	94	196	35	15	....	276
Wardensville	Evaporation	....	....	.183	.100	.243	.210	.143	.136	.021	.251	.109	.140	.042	.194	.164	.246	.148	.184	.373	.267	.144	.128	....	.105	.124	.050	.089	.186	.190	.022	....	4.65
	Wind movement	....	....	65	51	128	92	90	21	30	90	34	55	47	47	49	126	44	41	35	60	41	49	15	55	17	25	72	100	19	36	....	153

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—7-25-46—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIV MAY 1946 No. 5

GENERAL SUMMARY

The frequency of precipitation was the outstanding weather feature of the past month. Although this was only the eleventh wettest May in 56 years of record, yet in only one other year, 1933, did May have as many days with measurable precipitation. Although there were but few days with heavy amounts, light to moderate falls were recorded almost daily in places. The northeastern panhandle division averaged 129 percent of normal precipitation, the northern division 134 percent, and the southern division 119 percent. No snowfall was recorded at any station.

Temperatures were mostly moderate with the nights during the first decade being rather cool. Sunshine averaged between 60 and 80 percent of the normal amount; there was much cloudiness.

It was an excellent growing month. Abundant moisture from frequent showers plus normal temperatures made for good growth of such crops as hay, wheat, oats, and potatoes. Potatoes made especially fine growth. However, the soil was kept so wet that farmers were having extreme difficulty in planting corn, soybeans and truck gardens. Some hay that had been cut was damaged by rain. In the commercial fruit counties, a good set of apples and peaches seemed assured, although April frosts had lowered prospects for a large harvest in quite a few orchards. Strawberries were affected adversely, the wet weather causing much of the crop to rot on the vine. Raspberries and blackberries made luxuriant growth, making prospects bright for good crops of the bramble fruits. At the close of the month, dry weather and more sunshine were much needed.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 37 stations, was 60.8°, or 1.0° below the normal. The mean for the northeastern panhandle division was 60.5°; for the northern division, 60.3°; and for the southern division, 61.4°. The highest monthly mean was 66.0° at Hinton and the lowest, 54.7° at Bayard. The highest temperature was 90° at Valley Chapel on the 15th, Hinton on the 16th, Alderson on the 26th, Hinton on the 30th, and Hinton and Inwood on the 31st. The lowest was 25° at Brandywine and Seneca State Forest on the 9th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 107 stations, was 5.11 inches, or 1.10 inches above the normal. To achieve proper weighting. the records from 31 stations were not used in computing the mean. In the northeastern panhandle division, the average was 4.83 inches; in the northern division, 5.60 inches; and in the southern division, 4.65 inches. The greatest monthly precipitation was 7.79 inches at Kumbrabow State Forest, and the least, 1.66 inches at Great Cacapon. The greatest amount in any 24 consecutive hours was 3.70 inches at Stony River Dam on the 25-26th. No snowfall was reported from any station. The average number of days with 0.01 inch or more of precipitation was 18.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3	7	5	1	..	1	3	4	..	1	..	4	6	2	5	4	3	3	..	1	1	6	2	..	..	2	..	2	9	4	..
Frosts killing	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Gales	..	1	1	6	..	..	1	3	6	1	5	2	1	..	2	3	2	1	..	1	3	1	1	..	5	..	1	1	..	..	..
Hail	1	1	..	..	..	..	..	..	1	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	1	1	1	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	4	2	1	..	..	..	2	..	..	..	6	11	..	..	11	13	10	6	1	3	1	1	..	3	8	10	9	1	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.27	22	29.52	18	6.5	23	w.	4	88	65	73	50	99
Columbus, Ohio	30.28	1	29.55	18	9.9	31	sw.	25	84	65	69	44	169
Elkins	30.30	23	29.64	18	6.5	28	w.	16	89	63	74	32	234
Huntington Airp't.	30.30	22	29.62	18	.....	20	nw.	16	90	62	75	....	107
Parkersburg	30.29	22	29.60	18	6.0	22	nw.	16	83	59	68	45	116
Petersburg, W. Va.	30.32	23	29.64	18	.....	22	sw.	11	85	54	70	....	155
Pittsburgh, Pa	30.27	22	29.57	18	9.9	29	nw.	9	77	60	65	50	148

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	.....	.....	2.38	3.11	3.60	3.18	.....	.....	.....	.....	.....
1892	62.2	96	32	3.62	6.67	4.83	5.04	.....	.....	.....	.....	.....
1893	59.5	92	30	4.90	4.35	4.84	4.51	.....	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	.....	13	16	9	6
1895	61.6	105	20	3.18	2.18	2.80	2.60	.....	9	12	11	8
1896	68.3	95	33	2.92	3.50	2.71	3.01	.....	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	.....	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	.....	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	.....	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	.....	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	.....	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	0.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	0.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	0.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	0.0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	0.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	0.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	0.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	55.5	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	0.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	0.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	55.5	93	23	8.74	7.12	6.72	7.20	0.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	0.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	0.1	15	10	9	12
1930	63.3	101	28	1.39	2.33	2.19	2.17	0.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	0.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	0.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	0.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	0.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	0.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	0.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	19	1.67	1.22	1.50	1.38	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	0.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
1942	63.5	98	27	5.58	4.42	4.39	4.61	0.0	11	10	11	10
1943	63.5	96	17	3.71	5.04	4.41	4.59	T.	15	8	13	10
1944	67.2	95	25	4.23	4.40	4.33	4.35	T.	11	14	12	5
1945	57.9	95	19	3.79	5.08	5.41	5.01	0.2	14	12	10	9
1946	60.8	90	25	4.83	5.60	4.65	5.11	0.0	18	8	10	13
Period	61.8	105	17	3.73	4.19	3.90	4.01	T.	11	13	9	9

Climatological Data for May 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	54.7	−1.7	84	25	31	23	6.51	+2.21	0.64	15	0	21	6	10	15	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	30	57.2	−1.4	88	25	25	9	3.24	+0.16	1.48	4	0	13	11	3	17	s.	E. L. Keister
Great Cacapon	Morgan	500	2	63.0	.....	88	31	35	8	1.66	.....	0.61	26	0	7	9	8	14	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	5.95	+2.51	1.22	27	0	18	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	62.6	.....	90	31	36	9	2.90	.....	0.75	4	0	12	7	15	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	63.2	−0.2	89	31	40	4†	4.40	+0.91	0.86	27	0	15	10	12	9	se.	University Exper. Station
Martinsburg	Berkeley	435	54	61.6	−1.2	87	25	38	9†	3.64	+0.25	0.76	4	0	16	10	4	17	sw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	60.1	−0.1	89	25†	29	9	4.56	+1.33	1.00	26	0	16	8	12	11	w.	R. E. Saville
Petersburg	Grant	1,029	7	61.2	.....	89	25	37	8	3.92	.....	1.08	4	0	17	4	10	17	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	60.6	+0.6	88	25	38	4	5.58	+1.93	0.90	27	0	20	7	9	15	se.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	6.85	+2.25	2.70	26	0	10	4	7	20	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	28	60.4	+1.0	86	25	33	9	4.15	+1.19	0.87	4	0	15	13	9	9	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	4.74	+0.87	0.91	14	0	20	3	13	15	w.	L. Esle Bond
Benson	Harrison	1,080	21	62.2	+1.4	88	15	36	8	6.05	+2.12	1.25	14	0	21	7	11	13	.....	R. D. Marts
Bens Run	Pleasants	652	45	62.8	−0.2	86	31	41	13	5.31	+1.31	0.90	27	0	19	9	13	9	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	56.3	.....	84	25	33	22	5.13	.....	0.96	15	0	15	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	22	62.8	+1.2	86	15	37	9	4.77	+0.54	0.92	14	0	18	9	11	11	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	55	59.8	−1.3	85	25	36	6	5.14	+0.71	1.06	17	0	21	4	12	15	w.	Ross Bonar
Cairo, 3 miles S	Ritchie	680	40	61.8	−1.3	85	25	36	9	6.52	+3.10	1.30	30	0	23	7	13	11	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	55.5	.....	80	25	31	4†	6.35	.....	0.82	1	0	20	5	19	7	w.	George B. Thompson
Clarksburg	Harrison	1,015	23	59.1	−1.2	86	25	37	8	5.98	+2.30	1.23	14	0	17	5	8	18	w.	Clarksburg Water Board
Creston	Wirt	640	45	63.2	+0.1	85	25	36	9	6.60	+2.89	1.62	28	0	17	5	10	16	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	60.5	.....	87	16†	40	8†	5.09	+1.02	0.97	14	0	19	11	5	15	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	4.72	+1.30	0.76	17	0	16	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	5.76	+2.16	1.10	14	0	19	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	4.72	+1.30	0.90	26	0	22	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	5.80	+2.34	1.20	17	0	22	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	5.18	+1.75	0.56	26	0	17	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	47	57.8	+0.1	84	25	37	30	5.31	+1.26	0.94	27	0	20	2	6	23	se.	U. S. Weather Bureau
Fairmont	Marion	883	54	61.7	−0.4	87	25	37	8	6.02	+2.14	1.20	14	0	19	7	5	19	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Howard R. Brannon
Grafton	Taylor	1,050	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. W. Clayton
Grantsville	Calhoun	760	2	60.1	.....	87	15	36	8†	6.50	.....	2.20	27	0	12	16	15	0	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	6	59.5	.....	86	25	34	8	5.24	.....	1.16	14	0	17	5	8	18	sw.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	5.52	+0.89	1.00	17	0	23	9	16	6	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	5.90	+1.30	1.20	27	0	22	.....	.....	.....	.....	Mrs. Reta Goldsmith
Mannington, 1½ mi. NW.	Marion	974	44	60.6	+0.2	86	25†	35	8†	6.32	+2.31	1.19	14	0	23	7	5	19	sw.	James A. Morgan
Middlebourne, 2½ mi. SE.	Tyler	750	5	61.8	.....	87	25	36	13	5.30	.....	0.83	17	0	18	7	9	15	sw.	L. A. Crumrine
Morgantown, 2 miles N.	Monongalia	1,300	70	61.3	−0.8	86	31	36	8	4.77	+1.07	1.07	17	0	19	6	20	5	.....	State Dairy Farm
New Cumberland	Hancock	671	51	58.3	−1.9	82	31	31	13	5.60	+2.20	1.10	28	0	19	6	9	16	se.	C. O. Valentine
New Martinsville	Wetzel	637	52	62.4	−0.6	86	15†	36	13	4.16	+0.49	0.65	14	0	18	7	16	8	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	62.7	−1.1	84	31	42	13	4.66	+1.28	0.99	26	0	22	2	9	20	nw.	Section Center
Parsons	Tucker	1,649	47	59.8	+1.0	87	25	38	8†	5.50	+1.37	0.86	27	0	22	5	6	20	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	4.56	+0.29	0.82	17	0	18	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	60.2	+2.1	82	14†	36	8	7.09	+1.84	1.07	12	0	21	7	11	13	w.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	4.40	+0.04	0.90	14	0	16	7	10	14	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	61	59.6	....	88	25	39	13†	4.86	+0.23	0.82	27	0	16	3	1	27	w.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	4.79	+1.28	0.65	10	0	18	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	6.31	+1.06	2.00	16	0	14	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	63.4	+1.8	90	15	38	8	6.28	+2.39	1.96	27	0	21	4	14	13	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	59.8	−0.4	86	31	31	10†	5.69	+2.49	1.00	27	0	14	8	11	12	.....	George P. Pfister
West Milford‡	Harrison	979	20	.....	.....	.....	.....	.....	.....	6.21	+2.48	1.19	28	0	21	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	64.2	+1.5	89	25	41	23	6.26	+2.42	1.40	27	0	17	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	60.0	−1.8	83	15†	37	13	4.64	+1.54	0.64	17†	0	17	...	.....	.....	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	61.2	.....	90	26	31	9	3.61	.....	1.32	3	0	8	6	18	7	.....	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	3.61	+0.20	0.95	27	0	17	8	10	13	w.	H. S. Sutton
Athens	Mercer	2,600	6	58.6	.....	81	25	37	8	3.26	.....	0.87	26	0	17	9	9	13	sw.	Concord College
Bluefield	Mercer	2,558	51	60.8	−0.8	79	20†	36	9	4.10	+0.98	0.85	25	0	20	9	11	11	.....	Norfolk & Western Ry.
Charleston	Kanawha	615	59	64.0	−1.4	87	15†	38	9	5.61	+1.83	0.92	13	0	21	11	6	14	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	62.8	.....	86	15†	36	9	6.61	.....	1.06	12	0	17	1	12	18	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	55.8	.....	78	15†	28	30	5.15	.....	1.15	27	0	14	9	9	13	w.	Department of Justice
Flat Top	Mercer	3,235	8	56.2	.....	77	25	36	4†	3.36	.....	0.51	14	0	18	6	11	14	s.	U. S. Airway Station
Gary	McDowell	1,426	29	62.4	+1.3	83	16†	36	9	5.56	+1.59	0.84	4	0	19	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	7	62.5	.....	84	31	39	9†	.....	.....	.....	.....	0	....	3	12	16	.....	State Forest Nursery
Hamlin	Lincoln	641	3	62.5	.....	84	15†	35	9	5.71	.....	0.92	26	0	23	11	5	15	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	66.0	+2.6	90	16†	39	4	2.80	−0.75	0.54	2	0	15	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	65.0	+0.3	86	31	41	13	6.22	+2.25	1.53	15	0	17	6	11	14	ne.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	3.62	−0.78	0.45	8	0	15	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Logan	Logan	700	33	65.2	−1.8	88	25	40	9	4.82	+0.71	1.07	27	0	22	11	11	9	.....	J. W. Ruff
London Locks	Kanawha	623	11	64.1	.....	87	25	39	9	5.15	+1.82	0.64	20	0	19	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	25	63.9	+0.1	85	15†	37	9	5.02	+0.69	0.80	13	0	20	6	13	12	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	59.9	.....	83	25	32	9	4.70	.....	1.05	16	0	16	8	3	20	.....	M. H. Martin
Pineville	Wyoming	1,350	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	56	64.6	−0.1	85	31	41	13	4.32	+0.33	1.24	25	0	21	10	6	15	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	15	57.6	−0.5	82	25	27	9	4.26	−0.21	0.63	14	0	18	9	6	16	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	61.1	−0.8	80	16†	37	9†	3.68	−0.03	0.64	27	0	18	9	14	8	sw.	Lockmaster
Richwood	Nicholas	2,193	15	57.0	−3.2	83	25	30	9	5.30	+0.60	0.67	18	0	18	7	9	15	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Pfost Greenhouses
Ryan	Roane	700	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	7	56.4	.....	81	25	25	9	2.90	.....	0.58	4	0	15	11	6	14	w.	Supt., State Forest
Spencer	Roane	789	47	61.6	−0.4	85	25	34	9	5.52	+1.87	1.02	27	0	20	3	11	17	.....	A. M. McKown
Summersville	Nicholas	1,900	10	57.2	.....	82	15	27	9	4.46	.....	0.62	26	0	17	9	17	5	.....	A. E. Dorsey
Sutton	Braxton	850	43	63.7	+0.4	87	25†	33	9	5.71	+1.35	1.42	12	0	18	13	16	2	.....	C. B. Eakle
Union	Monroe	2,200	42	58.8	−2.1	85	31	29	9	3.75	+0.55	0.52	26	0	14	13	3	15	.....	C. B. King
Webster Springs	Webster	1,500	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	32	61.6	+1.1	86	25	29	9	4.58	+1.11	0.73	27	0	20	3	9	19	e.	Ashford General Hospital
Williamson	Mingo	673	45	65.8	+0.8	88	25	39	9	4.59	+0.51	1.20	16	0	20	12	7	12	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	62.8	.....	84	15†	41	9	6.10	.....	1.49	12	0	20	....	....	....	.....	Lockmaster
State averages and	extremes	.....	....	60.8	−1.0	90	15†	25	9	5.11	+1.10	2.70	26	0	18	8	10	13	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for May 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.20	.04	.19	.58	.08		.26	.03	.04	T.	T.	.20		.62	.64	.27	.60	.49	.16	.30	.16				.31	.20	.58	.56				6.51
Brandywine	do	.27	.18	.15	1.33							.04	.19	T.	.25		.11	.16	.10			20				T.	.02	.24	T.				3.24
Brushy Run[2]	do	.05	.08	.13	1.17	.06			T.					.22		.22	.83	.45		.23		.15					.03	1.03		.13			4.78
Harpers Ferry [2]	do	.02	.05	.09	.32	.42			.53			.41	.15		.46		.40	.45	.43		.45	.01				.02	T.	1.22	.50	.02			5.95
Inwood	do	.05			.75	T.		T.	T.			.18		.46	.05	.05	.27	.32		.18	.10						T.	.41	.08				2.90
Kearneysville	do	.06	.03		.58	.10		.45	.03			.40		.43		T.	.78	.31	.05	T.	.20						.02	.84	.12	T.			4.40
Knobly Mountain[2]†	do	.08	.05	.05	.80	.28			.05		T.				.70	.04	1.05	T.	.18		.26						.43	1.60	.03	.65			6.25
Martinsburg [4]	do	.04	.05	.01	.76	.02		.33		T.		.17	.17		.46	T.	.15	.22	.42		.22	.01				T	T.	.60	.01	T.			3.64
McNeill†	do	.06	.23	.08	.06	.04				T.		T.	.18		.39	T.	.44	.64	.20		.05	.50				T.	1.00	.42	.22	.05			4.56
Petersburg	do	.17	.09	.54	.65	.01		T.			T.	.05	.13		.27	.08	.69	T.	.20		.22	.01			T.	.19	.36	.18	.08				3.92
Piedmont	do	.11	.06		.58	.18	.16		.04			.03	.10		.42	.42	.02	.35	.09	.27	T.	.31				.40	.59	.90	.45	.10			5.58
Romney	do																																
Spruce Knob [2]†	do		.35	.33	.78	.57			.19		T.		.43	.47	.13	.38	.52	.47	.25	.20		.27	.17					.54		.33			6.88
Stony River Dam [2]†	do		.40		.90					.24		.58	T.	.45		.20		1.10			.28					.86	1.84					6.85
Wardensville [2]	do	T.	.05	.45	.87	.13			.17				.11			.52	.08	.18	.12	.53	.02	.53						.04		.35			4.15
Northern Division																																	
Aberdeen†	West Fork	.03	.05	.09	.28			.21	.05	T.	.02	.13	.79		.91		.35	.51	.10	.04	.06	.16			T.		.15	.55	.19	.07			4.74
Belington [2]	Tygart		.04	.07	.68	.06			.29		.05	T	.18	.26		.34	.03	.82	.02	.21		.33	.02			T.	.13	.54	.01	.23			4.31
Benson †	West Fork	.06	.15	.12	.40	.02		.25	.08		.05	.10	.42		1.25		.20	.60	.18		.05	.55			.02		.43	.95	.05	.12			6.05
Bens Run	Ohio	.01	.11	.26	.20	.03		.15	T.		.03	.80	.16		.75	T.	.85	.09	.02			.40			.04	.28	.20	.90	.03				5.31
Big Skin Creek†	West Fork		.05	.42	.20				.18	.04		.16	.65		.88		.36		.06		.66	.32					.20	.42	.58	.02		T.	5.20
Brandonville [2]	Cheat	.09	.08		.54	.13			.37			T.	.81	.06	T.	.96		.82	.34	.05		.34					.13	.33		.08			5.13
Brownsville †	West Fork	.03		.33	.34			.18	.07	.02		.14	.45		.92		.48	.49	.14		.04	.20					.18	.65	.05	.06			4.77
Buckhannon	Tygart	.02	.03	.33	.27	.02		.22	.02	.01		.13	.63	T.	.58	T.	.41	.65	.25	.01	.09	.22	T.		T.		.23	.76	.21	.05			5.14
Cairo	Litl.Kanawha	.03	.20	.35	.20	.04	.07		04	.03	.06	.08	.61	1.03			.45	.80	.08	.05	.02	.03			.07		.43	.50	.05	1.30			6.52
Canaan Valley	Cheat	.82	.17	.17	.67			.15	.08			.08	.26		.21	.41	.22	.63	.26	.03	.07	.23				.46	.68	.38	.37	T.			6.35
Clarksburg [2]	West Fork	T.	.08	.29	.76	.03			.31		T.	.07	.51	.10	T	1.23		.83	.10	.06		.45					.50	.55	.06	.05			5.98
Crawford	do		.03	.17	.24	.01		.24			T.	.09	.72		.72		.28	.60	.25		.10	.35			T.		.16	.24	.38	.04	T.		4.62
Creston [2]	Litl.Kanawha		T.	.09	.20	.06			.10		T.	.05	.10	.06	.07	1.09	.10	.50	.12	.05		.39			T.		.50	1.50	1.62	T.			6.60
Dailey [2]†	Tygart		.10	.10	.48	.02			.22		T.		.24	.66		.11	.10	.35	T.	.52	T.	.17					1.20	.85		.21			5.33
Dam 10, Mon. R. [2]†	Monongahela	T.	.06	.06	.31	.09			.45		.05	.06	.44	.13		.97		.58	.42	.22	T	.26	.10				.30	.41	.15	.03			5.09
Dam 13, O. R. [2]†	Ohio				.40	.13		.01	.37			.09	.44	.05		.45	.07	.76		.09		.41				.05	.61	.42	.37			4.72
Dam 15, Mon. R. [2]†	Monongahela	T.	.02	.07	.49	.07			.30		.03	.05	.82	.12		1.10		.64	.35	.28		.30	.03				.31	.60	.15	.03			5.76
Dam 19, O. R. [2]†	Ohio		.03	.22	.51	.08		.02	.10		.03	.10	.32		.05	.16	.50	.86	.03	.02	.02	.57			.02	.09	.90	.08	.01				4.72
Dam 20, O. R. [2]†	do	T.	.05	.35	.58	.05			.07		.04	.05	.43	.04	.02	.14	.05	1.20	.09	.05		.92			.03	.08	.70	.48	.36	.02			5.80
Elizabeth (Dam 3)[2]	Litl.Kanawha			.22	.40	.20			.08			.05	.55		.38	.56	.21	.50	.20	.05		.40				.15	.56	.55	.12				5.18
Elk †	West Fork		.30	.24	.30			.28				.08	.60		.93			.70		.10						.17	.58	.71	.21				5.20
Elkins [1] †	Tygart	.01	.07	.44	.31	T		.34	T.	.02	T.	.27	.33		.13	.33	.53	.06	.39	.07	.22	.11			T.	.49	.58	.36	.25				5.31
Fairmont [2]	Monongahela	T.	.07	.08	.49	.06	T.	.35	.06	.06		.32	.92		1.20		.12	.91	.13	.07	T.	.26				.20	.28	.40	.04				6.02
Glenville [2]	Litl.Kanawha																																
Grafton	Tygart																																
Hackers Creek †	West Fork	.29		.12				.20		.01	.50	1.05		1.17		.31		.06		.04	.32					1.20	.44	.05				5.76
Hall [2]	Tygart		.06	.11	.75	T.			.29		T.	.04	.28	.31		.47		.68	.08	.10	.03	.27	T.			.10	1.44	.02	.39			5.42
Harrison Co. Arpt. [4]	West Fork	.04	.21	.46	.17			.35	T.	T.	.04	.08	.42		1.16	T.	.57	.10	.13		.03	.35			T.	T.	.24	.82	.07				5.24
Hastings	Ohio		.01	.07	.88		.02	.18	.04	.01	.04	.12	.85	.03	.87		.05	1.00	.08	.05	.04	.26			.02	.06	.52	.25	.07				5.52
Horner	West Fork		.15		.20				.42			.40	.60		.22		.25	.75	.30		.20						.30	.50					4.29
Ireland	do																																
Jane Lew	do	.01	.50	.08	.46	.01		.23	T.	.03	T.	.08	.44	.01	1.20	.01	.23	.61	.24	.01	.02	.26					.18	1.20	.08	.01			5.07
Kumbrabow St. For.[2]	Tygart	.71	.18	.20	.55				.50	.02		.09	.70		.12	.22	.45	.73	.46	.17	.18	.24					.54	2.60	.04	.09			5.90
Mannington	Monongahela	.08	.14	.16	.66	.06		.27	.03	.12	.02	.11	1.09		1.19	.01	.14	.80	.28	.01	.02	.32					.23	.18	.38	.07			8.79
Middlebourne [2]	Middle Is.Creek		T.	.13	.53	.09			.20		.03	.11	.71			.81	.08	.83	.06	.04		.29				.02	.45	.65	.22	.05			6.32
Midvale [2]†	Tygart		.05	.42	.10				.39		.02	T.	.50	.34		.28	.04	1.06	.05	.28		.42	T.				.13	.49	.53	.31			5.30
Morgantown	Monongahela	.06	.08	.04	.34	.04	T.	.45	.10	.08		.06	.58		1.06	.02	.14	.93			T.	.29			.06	.23	.17	.04				5.41
Mt. Clare	West Fork	.05	1.24	.26	.34			.22				.15	.42		1.37		.35	.47	.10			.35				.10	1.35	.10				4.77
New Cumberland	Ohio				.16	.09	.21	.51		.02	.04	.52	.21	.02	.27		.07	.21	.02		.60	.36			.05	.63	.56	1.08	.02				6.87
New Martinsville	do	.12	.03	.03	.43	.02	T.	.29		.23	T.	.40	.32		.65		.12	.41	.03		T.	.42			.05	.25	.25	.11	T.				5.60
Parkersburg [1]†	do	.01	.27	.44	.20		.01	.05		.01	.07	.19	.14		.43	.09	.61	.05	.01		.54	.04			.09	.64	.59	.04	.14				4.16
Parsons	Cheat	.12	.02	.11	.65	T.		.21	.09	.02	T.	.07	.22	T.	.27	.19	.36	.69	.38	.08	.19	.20				.04	.41	.86	.31	.01			4.66
Philippi [2]	Tygart	T.	.04	.20	.46	T.			.29		T.	.03	.28	.32	T.	.60	T.	.82	.08	.11	.03	.18	.02				.04	.63	.16	.26			5 50	4.56
Pickens	do	.45	.15	.23	.17	.06		.36				.27	.80	.22	.60	.27	.80		.67	.14	.20	.12				.82	.17	.45	.12	.02			7.09
Roanoke	West Fork	T.		.29	.28	.01		.09	.10			.12	.50		.90		.35	.52			.10	.27					.14	.51	.14	.08	T.		4.40
Rockford †	do	.04	.16	.32	.36			.28	.03	T.	T.	.11	.52		1.18		.43	.52	.11		.06	.17			T		.19	1.69	.15				6.32
Rowlesburg [2]	Cheat	T.	T.	.23	.52	T.			.32			.04	.08	.12	.24			.64	.07	.20		.30	T.				.17	.82	.28	.28			4.86
Saint Marys [2]	Ohio		.04	.11	.69	.16						.27	.80	.22	.60	.27	.80		.67	.14	.20	.12				.82	.17	.45	.12	.02			7.09
Salem	West Fork	.04	.34	.60		.09		.24				.30			.90		.35	.52			.10	.27					.14	.51	.14	.08	T.		4.40
Shinnston	do	.12	.15	.26	.10		.09	.40		T.	.30	.42	.28	.43	.38	.32	.35	.42	.60		.01	.24			T.	.49	.06	.02	.05				5.49
Thomas [2]	Cheat		.31		.75	.08			.38					.20		.50	1.25	.75	.30	.25		.42	.05			.52	.55					6.31
Valley Chapel	West Fork	T.	.12	.15	.46	.02		.10	.09		.02	.08	.40	.02	1.11		.30	.49	.10	.06	.01	.36			T.		.32	1.96	.06	.05			6.28
Valley Head [2]	Tygart	.03	.21	.28	.69	.13			.17			.03	.16	.25	T.	.22	.25	.54	.12	.38	T.	.22	.03				.87	1.79	.04	.13			6.54
Vandalia †	West Fork		.07	.23	.26			.23		.04		.12	.80		.76		.34	.44	.20		.41						.19	1.05	.40	.04			5.58
Wellsburg (near)	Ohio				.18		.11	.51				.60	.38		.30		.09	.85		.07	T.	.41			T.	.71	.43	1.00	.05				5.69
West Milford	West Fork	.07	.38	.11	.50			.29	.03	.02		.13	.50		1.14	.02	.14	.65	.12	.02	.01	.40			.03		.46	1.13	.06	T			6.21
Weston [2]	do			T.	.10	.44	.10		.22		.22	.04	.21	.34		1.03		1.06	.18	.14		.22					.14	1.40	.28	.14			6.26
Wheeling (Dam 12)[2]	Ohio	T.	.01		.24	.12		.08	.61			.10	.39	T.		.37	.05	.64	T.	.12		.30	T.			.07	.41	.48	.64	.01			4.64
Southern Division																																	
Alderson	Greenbrier	T.	T.	1.32	.40	.32			T.			T.		T.		.42	.11		.45			.34					.25						3.61
Arbovale	do	.08	.29	T.	.70	.03		.03	T.			.09	.10		.36		.18	.15	.30	.01	.14	.08			T.	.02	.10	.95	T.				3.61
Athens	New		.22	.34	.23	.07		.07			.01	.06	.08		.40	.48	.04	.07	.14		.12	.06				.70	.17		T.				3.26
Bluefield	New		.21	.15	.52	*	.12	.09	.14			.04	*	.12	.36	.65	.08	.05	.14		.39	.12				.85	*	.07					4.10
Camden-on-Gauley [2]	Gauley	.10	.11	.62	.31	.17			.20	.02				.35	.37	.02	.30	.14	.37	.42	.10	.57					2.16	.72	.04	.05			7.14
Charleston	Gr. Kanawha	.67	.07	.48	.16	.04			.07	T.		.08	.89	.03	.42	.33	.42	.28	.05	.01	.01	.73			.02	T.	.78	.03	.04	T.			5.61
Charleston (Airport)[4]	do	.52	.48	T.	.36			.08			T.	.45	1.06		.72	.36	.48	.06	.11		.38	.58			.05	.55	.26	.11	T.				6.61
Clay	Elk																																
Flat Top[4]	New		.35	.12	.28	.26		.06			T.	.09	.19		.51	.25	.04	.21	.25	.08	.17	.14											
Gary [2]	Big Sandy	.09	.02	.84	.84	.32			.10			.07	.09	.07		.61	.33	.01	.82	.20	.01	.27			T.		.29		.02			3.36
Greenbottom †	Ohio	.42						.22								.61	.33	.01	.82	.20	.01	.27			T.		.79	.05		.03		5.56
Hinton [2]	New	T.	.04	.54	.30	.17						.10	.04	.09		.21	.09	.31	.28	.15		.31			.11	.11		1.11	.13				$$$
Hogsett [2]	Ohio	.06	.09	.18	.11	.18			.06			.05	.83	.10	.02	.30	.26	.60	.12	.07	.01	.70			.02	.35	.80		.18	.03			2.80
Huntington	do	.26	.49		.47		.06					.05	.29		.32	1.33	.80	.05	.25		T.	.28			.06	.76	.49	.14	.12				5.12
Kayford [2]	Gr. Kanawha	.15	.10	.25					.45			.18		.24	.15	.20	.40	.40	.15	.05		.40						.30	.20				6,22
Lewisburg	Greenbrier																																3.62
Logan [2]	Guyandot	.37	.08	.05	.25	.12			.16			.06	.05	.57	.04	.29	.49	.26	.18	.21	T.	.40			.01	.06	.40	.67	.09	.01			4.82
London Locks [2]†	Gr. Kanawha	.27	.15	.51	.19	.04			.30			.02	.11	.48	.07	.37	.56	.45	.04	.15	T.	.64			T.	T.	.24	.51	.05	T.			5.15
Madison [2]	Coal			.65	.33	.17			.32	.02		.07		.80	.10	.28	.33	.14	.12	.14	.02	.65			.01	.02	.43	.36	.06				5.02
Oak Hill [2]	New	.22	.06	.35	.35	.20			.17			.10		.15	.80	.47	1.05	.13	.30			.48						.35		.02			4.70
Pineville [2]	Guyandot																																
Point Pleasant [2]	Ohio	.05	.11	.08	.07	.12			.02			.08	.46	.03	.03	.27	.07	.87	.06		.06	.29			.04		1.24	.15	.20	.02			4.32
Princeton [2]	New	.01	.39	.38	.13	.01		.05			.01	.02	.01		.40	.99	.07	.12	.19		.24	.01				.97	.13						4 13
Rainelle	Greenbrier	.23	.42	T.	.27	.10		.15	.08			.13	.36	T.	.63	T.	.01	.88	.26	.01	.28	.32					.43	.17		.03			4.26
Ravenswood [2]	Ohio	.02	T.	.08	.51	.02			.06																T.	.12	.52	.64	.12	.01			3.68
Richwood [2]	Gauley	.55	.32	.61	.28	.12			.30			.06	.08	.36		.43	.08	.28	.12	.55		.61					.33	.14		.08			5.30

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Daily Precipitation for May 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ripley	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.10	....	.19	....	.06	....	....	2.90
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	.19	....	.23	....	.25	.29	.22	....	.19	T.	....	....	....	.04	.41	1.02	.09	.08	....	....	5.52
Seneca State Forest†	Greenbrier	.14	.17	.21	.58	.06	.02	....	....	....	....	.08	.65	.03	.86	.28	.08	.70	.08	.01	....	.55	....	....	....	....	.62	.20	....	....	....	....	....	4.46
Spencer[2]	Litl.Kanawha	.06	.06	.04	.25	.15	....	....	....	....	....	....	.45	.05	.08	.25	.25	.25	.25	.20	....	.60	....	....	....	....	.25	.43	.11	....	....	....	....	5.71
Summersville[2]	Gauley	.30	.05	.55	.29	.03	....	....	.04	....	....	.22	1.42	....	.70	....	.12	.63	.20	.20	.09	.48	....	....	....	....	.09	.52	....	....	....	....	....	3.77
Sutton	Elk	.18	.07	.11	.22	....	....	.22	.06	....	....	T.	.15	.25	T.	.25	.49	.30	.17	.24	T.	.27	....	....	....	....	.09	.52	....	....	....	....	5.29
Union[2]	New	.10	T.	.40	.47	.05	....	....	T.	....	....	.05	.62	.09	.21	.30	.18	.09	.33	.04	....	.57	....	....	.03	.16	.97	.01	.23	....	....	....	....
Wayne[2]	Twelvepole	.42	.13	.14	.29	.35	....	....	.08	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.03	.09	.73	T.	.01	....	....	4.58
Webster Springs	Elk	....	....	....	....	....	....	....	....	....	....	.07	.06	.12	.25	.22	.21	.25	.48	T.	.23	.07	....	....	....	.07	.69	.07	.16	....	....	....	4.59
White Sulp'r Spgs.	Greenbrier	.24	.51	.39	.51	.04	....	T.	.07	....	....	.05	.04	....	.03	.27	1.20	.57	.13	.14	.03	.38	....	....	....	....	.70	.54	.07	....	....	....	6.10
Williamson[2]	Big Sandy	.21	.04	.18	.11	.15	....	....	.07	....	....	T.	1.49	.06	.03	.45	.09	.43	.10	.02	.01	.46	....	....	T.	.19	....	....	....	....	....	....	....
Winfield Locks[2]†	Gr. Kanawha	.42	.03	.37	.14	.39	....	T.	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. T. Trace, 0.005 inch or less. |||| Estimated. * Included in the next measurement. §§ Incomplete.

Daily Temperatures for May 1946

STATIONS		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	63	67	57	43	61	69	70	50	63	68	69	65	65	60	76	75	71	65	70	69	64	67	74	76	84	83	64	58	66	75	77	67.2
	Minimum	40	42	41	33	37	37	40	36	37	35	51	49	35	44	40	54	52	46	51	40	51	34	31	38	44	53	57	51	36	34	40	42.2
Bluefield	Maximum	69	68	62	51	*63*	77	76	61	64	75	71	*68*	71	71	76	78	77	70	*75*	79	67	72	73	76	79	79	79	69	70	76	79	71.6
	Minimum	58	56	51	38	*40*	42	51	42	36	48	58	*50*	45	51	53	62	59	55	*50*	49	52	42	54	59	61	*58*	55	50	51	*37*	43	50.0
Brandywine	Maximum	68	70	60	46	70	79	70	54	67	75	76	78	70	60	80	83	80	79	78	76	70	73	78	80	88	82	81	68	70	81	84	73.4
	Minimum	44	47	40	30	34	31	46	27	25	33	48	50	42	34	45	47	51	44	46	45	52	32	32	36	49	52	50	47	38	31	39	40.9
Buckhannon	Maximum	66	71	61	61	66	74	71	56	66	74	69	65	72	71	81	80	77	68	76	73	68	72	83	76	85	76	71	62	70	80	82	71.7
	Minimum	50	46	43	41	41	36	43	39	37	37	55	53	40	51	48	61	60	51	55	54	55	38	39	51	60	60	59	52	45	39	48	48.0
Cairo	Maximum	78	69	65	65	68	76	75	64	70	76	75	69	73	74	82	84	83	70	72	78	75	73	82	82	85	77	76	69	76	83	70	74.6
	Minimum	54	52	51	48	47	43	44	42	36	39	56	53	39	49	48	50	57	53	53	58	56	40	41	55	52	63	57	54	46	41	42	49.0
Charleston (Airport)	Maximum	69	64	66	72	71	77	71	63	70	79	74	63	72	75	86	83	67	75	81	80	72	73	84	83	86	77	70	65	75	82	85	74.5
	Minimum	58	57	54	49	46	43	42	39	36	43	56	46	44	55	55	61	55	55	52	60	45	42	45	56	61	63	54	54	54	48	53	51.0
Clarksburg[3]	Maximum	67	65	60	60	63	73	71	55	63	74	66	58	69	64	83	79	64	68	73	70	68	73	84	76	86	74	62	63	70	85	84	70.0
	Minimum	45	50	50	44	47	44	47	37	39	39	45	50	38	41	50	53	62	54	52	55	56	40	40	46	59	62	61	52	45	42	49	48.2
Cranberry Glades	Maximum	70	67	63	68	63	72	69	58	64	69	66	67	69	66	78	75	69	68	73	65	70	78	71	70	78	70	67	70	66	75	78	69.4
	Minimum	49	46	41	34	37	29	34	34	39	49	52	50	36	46	46	58	55	40	40	45	44	31	29	42	46	55	55	47	35	28	*35*	42.2
Elkins	Maximum	64	64	57	50	63	72	69	52	63	72	71	64	75	65	79	80	67	68	76	69	65	71	78	73	84	71	69	57	67	78	80	68.8
	Minimum	50	50	43	40	42	41	43	40	41	40	57	46	43	53	48	60	50	49	49	49	51	39	37	48	58	57	56	48	43	37	47	46.8
Fairmont[3]	Maximum	68	68	66	62	68	77	72	60	71	74	68	65	73	68	85	79	77	71	78	74	72	74	85	77	87	75	72	65	75	84	86	73.4
	Minimum	53	51	46	43	50	45	48	37	42	38	56	55	39	51	49	61	60	55	53	54	56	40	42	54	57	62	61	55	47	42	49	50.0
Flat Top	Maximum	65	57	55	43	63	71	67	49	60	71	65	66	67	57	72	74	68	65	73	64	62	67	69	69	77	67	66	59	63	74	73	65.1
	Minimum	53	52	42	36	39	42	44	38	37	43	53	48	40	49	48	59	56	50	49	55	51	39	47	53	56	56	52	46	48	36	50	47.3
Gary[3]	Maximum	75	69	74	62	70	78	75	58	68	78	73	73	77	71	80	83	74	74	80	70	70	76	79	81	83	75	72	64	73	82	83	74.2
	Minimum	54	54	55	45	48	42	48	44	36	39	51	55	46	52	53	58	60	55	50	57	56	43	43	52	56	61	58	53	55	43	50	50.7
Huntington	Maximum	70	67	66	72	78	80	75	66	73	79	73	71	73	70	82	84	69	75	81	74	73	76	84	85	80	72	64	77	83	86	75.5
	Minimum	59	59	54	50	48	49	53	45	43	48	62	53	41	58	56	64	59	58	52	64	58	46	48	62	64	65	58	54	56	49	58	54.6
Logan[3]	Maximum	70	68	73	71	74	83	74	62	73	82	75	63	80	72	83	85	74	75	81	74	73	78	88	85	88	79	75	63	76	86	87	76.3
	Minimum	59	59	60	50	54	46	50	45	40	43	50	58	49	52	59	62	62	57	62	56	58	46	47	54	61	68	57	54	56	48	56	54.1
Madison[3]	Maximum	70	70	68	74	73	79	74	60	71	78	71	74	78	75	85	83	69	74	80	73	71	75	84	82	85	76	73	66	74	83	85	75.3
	Minimum	58	57	59	48	53	44	48	41	37	41	54	43	48	52	58	61	61	55	56	59	56	45	45	56	60	63	58	53	56	48	54	52.5
Mannington	Maximum	70	71	66	60	68	71	70	60	67	73	68	66	73	69	85	82	78	70	79	78	70	76	85	83	86	77	74	65	76	86	84	73.7
	Minimum	50	50	42	43	47	41	45	35	37	37	54	48	35	47	48	58	58	52	53	54	56	38	39	49	52	59	60	54	45	38	46	47.4
Martinsburg	Maximum	70	66	61	54	72	77	73	63	73	74	76	78	70	60	74	78	79	70	79	77	74	73	73	78	87	81	79	69	73	83	86	73.5
	Minimum	53	53	44	40	43	44	47	41	38	38	57	53	48	46	50	57	61	56	53	52	56	43	43	44	60	66	64	54	46	43	52	49.8
Middlebourne	Maximum	75	70	66	66	69	73	70	70	78	71	65	72	69	85	83	62	80	77	77	70	75	80	80	87	81	65	70	75	83	83	74.1
	Minimum	53	50	48	44	43	45	47	38	38	39	55	51	36	49	51	61	60	52	57	*60*	56	39	41	56	56	62	60	53	45	42	50	49.6
Morgantown	Maximum	71	71	68	61	64	68	69	55	65	70	67	63	70	68	82	82	79	69	74	72	68	70	83	80	84	76	74	65	71	80	86	71.8
	Minimum	56	46	46	42	47	51	48	36	48	42	57	46	41	51	48	49	60	56	54	60	56	43	50	60	64	62	60	54	45	46	51	50.8
New Martinsville	Maximum	73	70	67	63	68	71	67	62	71	75	70	63	72	65	86	80	65	73	77	76	71	76	82	77	86	78	71	69	76	85	85	73.2
	Minimum	55	53	46	45	45	47	50	40	44	42	52	50	36	51	54	63	57	53	56	58	58	41	55	56	60	63	57	54	49	55	51	51.5
Parkersburg	Maximum	70	65	65	67	70	74	62	60	70	74	70	65	71	68	80	81	65	73	77	76	69	72	81	77	82	78	65	66	74	82	84	72.0
	Minimum	58	56	51	50	46	57	45	45	48	44	55	51	42	58	56	65	55	55	55	62	52	44	49	63	66	64	53	54	52	47	56	53.4
Petersburg	Maximum	68	69	63	44	71	79	78	59	71	76	76	74	73	55	83	81	81	71	80	72	72	74	79	82	89	79	77	65	73	84	87	73.3
	Minimum	52	52	43	38	42	43	44	37	39	41	62	49	47	45	49	59	58	51	55	53	53	46	41	45	62	61	55	53	45	42	50	48.8
Pickens	Maximum	80	61	60	56	64	72	72	55	61	62	70	66	74	82	75	69	*70*	66	72	70	68	67	78	72	82	70	66	60	64	75	77	68.9
	Minimum	47	*41*	*45*	45	54	52	44	36	54	51	61	58	57	60	68	57	*57*	57	57	59	42	38	57	*50*	58	52	54	47	46	39	58	51.5
Point Pleasant	Maximum	72	69	64	71	71	80	74	62	71	76	72	72	74	71	83	84	80	75	79	78	76	74	84	81	83	80	76	66	76	82	85	75.6
	Minimum	57	56	52	50	46	50	56	42	43	48	58	52	41	57	55	64	58	54	54	63	57	44	47	60	64	64	57	54	52	47	56	53.5
Rainelle	Maximum	67	60	59	47	67	75	72	53	65	74	69	67	71	66	78	79	74	69	79	77	66	73	75	76	82	70	69	66	69	81	81	70.2
	Minimum	50	47	46	38	41	31	40	38	27	37	48	52	37	50	53	59	51	48	51	51	50	35	36	47	50	55	56	45	46	33	43	44.9
Richwood	Maximum	65	62	63	62	65	72	72	53	64	74	76	66	73	68	80	80	65	65	77	70	66	74	76	80	83	72	68	58	68	80	81	70.3
	Minimum	49	46	49	38	41	33	45	38	30	34	40	53	40	42	45	47	55	46	51	51	52	37	37	44	50	51	55	47	44	33	34	43.8
Spencer[3]	Maximum	69	68	62	67	69	80	70	62	72	76	71	63	72	70	82	84	81	65	73	77	73	70	74	81	77	85	75	65	66	75	80	72.8
	Minimum	52	51	54	47	47	42	47	39	34	44	57	53	39	48	52	55	61	55	53	60	55	40	43	60	62	62	59	52	47	42	50	50.4
Summersville[3]	Maximum	65	62	65	54	65	70	71	54	64	75	69	60	74	67	82	79	68	66	75	67	65	72	79	71	64	70	69	59	69	81	81	68.8
	Minimum	50	47	54	41	48	34	36	34	27	40	52	56	54	51	45	45	44	45	40	53	51	34	36	47	59	57	57	52	49	35	43	45.7
Sutton	Maximum	72	67	66	66	70	78	78	70	69	76	76	72	78	78	85	85	82	72	80	80	75	77	84	84	87	87	77	73	76	84	86	77.1
	Minimum	55	52	54	48	52	40	46	41	33	34	58	56	44	50	51	61	58	54	53	55	57	43	42	50	56	61	61	50	52	41	50	50.3
Wardensville[3]	Maximum	70	69	60	56	70	77	75	59	70	75	76	77	70	62	78	82	76	71	77	75	72	72	77	80	86	83	78	64	70	84	85	73.4
	Minimum	49	50	51	37	39	38	44	41	33	37	59	55	43	41	48	56	48	54	51	50	58	44	39	42	51	58	62	53	44	40	48	47.3
Weston	Maximum	*70*	69	75	70	75	68	75	61	70	78	71	68	74	72	86	84	66	70	80	78	74	75	88	80	89	80	70	66	75	85	88	75.2
	Minimum	*51*	54	55	56	47	52	49	52	42	43	50	60	43	50	53	60	62	56	60	61	58	42	41	64	62	64	61	55	48	43	53	53.1
Wheeling[2]	Maximum	73	74	66	57	68	63	57	59	70	71	65	65	66	62	83	76	60	72	78	75	68	73	81	76	81	76	65	69	74	83	82	70.6
	Minimum	42	47	46	44	44	46	54	40	43	41	41	47	37	41	54	60	55	54	53	54	58	43	46	49	62	64	60	55	50	47	50	49.3
Williamson[3]	Maximum	75	75	74	76	72	82	78	65	73	83	75	65	81	74	86	85	76	77	82	79	74	80	83	85	88	79	77	61	77	85	86	77.7
	Minimum	59	60	60	51	53	46	50	45	39	43	49	58	49	53	59	62	63	57	53	56	64	47	46	51	61	64	57	54	55	54	53	53.9

Daily Evaporation (inches) and Wind Movement (miles) for May 1946

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	....	.115	.035	.147	.172	.168	.111	.049	.099	.144	.070	.033	.043	.017	.153	.126	.165	.096	.086	.155	.068	.220	.163	.191	.092	.160	.059	.058	.045	.180	.072	3.402
	Wind movement	21	10	28	91	157	95	50	69	56	115	31	50	30	46	4	24	63	50	57	48	49	129	28	33	40	58	38	57	27	45	24	1,623
Wardensville	Evaporation	.061	.102	.064	....	.062	.082	.176	.153	.146	.196	.161	.100	.179	.186	.029	.173	.176	.118	.092	.234	.093	.245	.191	.263	.146	.218	.085	.223	.068	.201	.316	4.690
	Wind movement	25	22	38	50	30	41	47	62	47	72	30	41	64	24	25	28	66	11	14	24	14	57	24	21	16	54	24	38	42	43	18	1,112

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

OCT 4 1946
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIV JUNE 1946 No. 6

GENERAL SUMMARY

Flash floods on the 1st-2d caused heavy local damage in the counties of Cabell, Calhoun, Doddridge, Gilmer, Jackson, Marshall, Mason, Pleasants, Ritchie, Roane, Tyler, Wayne, Wetzel, Wirt, and Wood. Total damage was estimated at over $1,367,000. Late in the day of the 19th, a flash flood in Wirt County did damage to crops and livestock estimated at $4,200. Lightning killed a woman in Summers County on the 26th. It was the wettest June since 1941 and the 13th wettest of record. Only three times in the past 56 years has average precipitation for the northern division been greater. The rainy periods were 1st-4th, 11-15th, 17th-21st and 26-29th.

The mean temperature, 69.0°, averaged 0.8° below normal. The stations in the northern division and the counties bordering the Ohio River were generally above normal in temperature, while the southern division and the northeastern panhandle division were below normal. The days were mostly warm but a large number of the nights were cool.

The weather was cool and wet for the first two decades, then turned rather warm and with less frequent showers. Crops of all kinds made rapid growth. Barley was cut in the third decade and much of the wheat crop was shocked or combined. Oats were beginning to color at the close. Corn made good growth but the stands were quite uneven. Apples and peaches made good growth, sizing remarkably well. Some transparents were being harvested near the end of the month. Pastures furnished abundant feed all month. The cutting of the meadows for hay was delayed because of the frequent showers. Showers soaked some hay after cutting, causing it to lose quality. Early potatoes were hard hit by blight; however, some of the largest commercial growers who spray constantly had good crop prospects at the end of the month. —*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 72 stations, was 69.0°, or 0.8° below the normal. The mean for the northeastern panhandle division was 67.2°; for the northern division, 69.0°; and for the southern division, 69.5°. The highest monthly mean was 74.8° at Kearneysville and the lowest, 59.7° at Cranberry Glades. The highest temperature was 98° at Brownsville on the 25th and the lowest, 29° at Cranberry Glades on the 6th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 111 stations, was 5.27 inches, or 0.81 inch above the normal. In the northeastern panhandle division, the average was 4.39 inches; in the northern division, 6.34 inches; and in the southern division, 4.50 inches. The greatest monthly precipitation was 10.22 inches at Creston, and the least, 1.65 inches at Alderson. The greatest amount in any 24 consecutive hours was 4.60 inches at Grantsville on the 19th. The average number of days with 0.01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	1	8	2	4	1	..	..	..	5	..	..	..	..	6	3	1	..	1	4	2	3	9	10	7	1	3	2	4	5	..
Frosts killing	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	..	..	..	..	5	9	11	5	2	3	4	4	..	..	..	2	1	1	2	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	3	..	..	..	..	..	4	..	1	..	..	..	..	1	..	..	..	..	..	..	..	..	2	..	1	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	1	..	..	5	3	..	..	..	..	..	29	29	30	13	1	7	12	31	32	18	8	2	..	..	..	20	15	10	12	7	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Ciucinnati, Ohio	30.34	23	29.78	1	5.9	22	ne.	13†	87	60	65	70	13
Columbus, Ohio	30.37	10	29.75	1	9.3	32	s.	17	83	56	62	68	28
Elkins	30.41	10	29.62	2	5.5	27	nw.	2	92	61	76	47	64
Huntington Airp't.	30.37	23	29.69	2	.....	24	sw.	26	87	56	73	....	17
Parkersburg	30.38	10	29.71	2	5.7	26	n.	18	80	52	63	70	18
Petersburg, W. Va.	30.46	10	29.69	2	.....	24	nw.	13	86	56	68	....	38
Pittsburgh, Pa	30.41	10	29.76	2	9.4	36	n.	29	82	56	63	61	43

COMPARATIVE DATA FOR JUNE

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	71.2	.....	.....	3.40	5.40	4.97	5.02	0	.....	.....	.....	.....
1892	74.1	99	41	4.30	3.85	3.77	3.90	0	.....	.....	.....	.....
1893	70.2	99	40	2.06	3.51	4.87	3.81	0	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	0	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	0	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	0	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	0	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	0	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	0	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	0	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	0	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	0	12	11	13	6
1903	**65.1**	93	34	5.23	5.48	4.09	4.80	0	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	0	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	0	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	0	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	0	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	0	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	0	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	0	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	0	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	0	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	0	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	0	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	0	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	0	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	0	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	0	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	0	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	0	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	0	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.51	4.66	0	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	0	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	0	13	13	8	9
1925	72.2	**109**	35	3.23	4.50	2.98	3.51	0	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	0	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	0	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	**7.37**	0	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	0	8	16	9	5
1930	68.9	105	27	3.40	3.39	1.77	2.87	0	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	0	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	0	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	0	7	18	9	3
1934	74.3	106	41	2.94	3.88	3.07	3.45	0	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	0	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	**2.41**	0	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	0	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	0	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	0	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	0	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	0	14	11	10	9
1942	71.4	99	35	4.16	5.38	5.32	5.17	0	14	9	13	8
1943	**75.0**	102	42	2.69	3.36	4.42	3.64	0	10	15	11	4
1944	71.9	103	28	2.91	5.61	2.90	4.19	0	11	13	11	6
1945	68.3	102	**22**	3.51	4.05	3.62	3.82	0	11	12	10	8
1946	69.0	92	29	4.39	6.34	4.50	5.27	0	11	12	10	8
Period	69.8	109	22	3.91	4.64	4.40	4.46	0	11	13	10	7

Climatological Data for June 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern																				
Panhandle Division																				
Bayard	Grant	2,375	43	62.2	−1.3	83	11†	32	10	6.41	+1.28	2.23	19	0	14	6	13	11	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	30	65.8	−1.2	92	18	30	5	3.55	−0.33	1.03	19	0	11	16	2	12	sw.	E. L. Kelster
Great Cacapon	Morgan	500	2	67.6	.....	92	8†	41	5	6.65	.....	2.51	2	0	8	14	7	9	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	3.73	+0.08	2.06	2	0	8	....	....	....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	70.6	.	96	11	42	5	3.34	.....	1.94	2	0	4	12	12	6	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	70.1	−1.8	95	11	44	6†	4.16	+0.53	2.79	2	0	8	14	11	5	s.	University Exper. Station
Martinsburg	Berkeley	435	54	68.2	−2.8	93	11	44	6	2.72	−1.42	1.28	2	0	9	16	6	8	sw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	67.6	−0.2	94	26	34	6	4.10	+0.50	1.19	2	0	12	12	9	9	w.	R. E. Saville
Petersburg	Grant	1,029	7	68.7	.....	92	11	40	6	4.59	.....	1.27	14	0	13	6	9	15	n.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	67.6	−0.5	89	12	40	6	6.18	+2.18	1.93	19	0	11	10	9	11	s.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	6.66	+2.64	1.78	20	0	7	6	12	12	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	67.4	+1.9	92	11	39	6	4.08	+1.08	2.02	2	0	9	16	2	12	sw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	4.92	+0.56	2.08	12	0	11	7	17	6	w.	L. Esle Bond
Benson	Harrison	1,080	21	70.1	+1.9	93	19	37	5	6.18	+1.87	1.84	2	0	15	10	18	2	.....	R. D. Marts
Bens Run	Pleasants	652	45	72.6	+1.8	95	30	46	4†	5.42	+1.20	1.98	2	0	12	20	5	5	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	64.1	.....	87	25†	33	5	5.88	.....	2.88	2	0	10	....	....	....	.....	James I. Galloway
Brownsville	Lewis	1,032	22	71.3	+1.8	98	25	41	5	5.02	+0.71	1.18	19	0	9	11	14	5	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	55	68.8	+0.4	90	30	38	5	7.27	+2.56	2.57	12	0	15	12	12	6	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	40	70.3	0.0	91	30	42	2	6.42	+1.91	2.05	1	0	10	17	10	3	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	62.4	.....	84	25	30	10	9.74	.....	1.87	12	0	15	5	22	3	w.	George B. Thompson
Clarksburg	Harrison	1,015	23	69.0	−0.4	92	30	40	5	5.88	+1.61	1.95	2	0	11	10	8	12	w.	Clarksburg Water Board
Creston	Wirt	640	45	71.0	+0.3	90	10†	41	5	10.22	+5.84	3.49	2	0	13	10	12	8	....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	69.3	.....	91	29	42	5	5.40	+1.06	2.00	2	0	14	....	....	....	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	4.68	+0.85	1.35	2	0	14	....	....	....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	6.13	+2.14	2.48	2	0	10	....	....	....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	7.01	+3.09	2.64	2	0	8	....	....	....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	6.99	+3.00	2.91	2	0	9	....	....	....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	8.60	+4.39	2.80	2	0	10	....	....	....	.....	Lockmaster
Elkins	Randolph	1,927	47	66.0	+0.4	86	30	37	5	6.22	+1.16	1.92	13	0	15	3	13	14	nw.	U. S. Weather Bureau
Fairmont	Marion	883	54	71.1	+0.8	93	26	41	5	5.83	+1.42	1.87	2	0	10	7	14	9	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	71.8	+0.7	92	25	44	5	5.83	+1.44	2.27	20	0	11	14	13	3	w.	Howard R. Brannon
Grafton	Taylor	1,050	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	.....	L. W. Clayton
Grantsville	Calhoun	760	2	67.5	.....	95	30	35	4†	8.90	.....	4.60	19	0	9	....	....	....	.....	Roy Morrison
Harrison County Airport	Harrison	1,188	6	68.8	.....	91	30	40	5	6.46	....	1.03	16	0	12	8	9	13	s.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	...	.....	.....	6.36	+0.74	2.10	2	0	12	9	12	9	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	7.16	+3.09	2.19	12	0	14	....	....	....	.....	Mrs. Reta Goldsmith
Mannington, 1¼ mi. NW	Marion	974	44	69.6	+1.8	94	30	37	5	6.79	+2.51	2.22	2	0	9	11	12	7	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	5	70.6	.....	94	29	40	5	5.45	.....	2.85	2	0	12	18	6	6	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	70	69.9	+0.6	91	11	41	5	6.12	+1.88	2.05	2	0	13	13	10	7	.....	State Dairy Farm
New Cumberland	Hancock	671	51	.....	.....	.....	.....	.....	.....	5.54	+0.99	1.74	19	0	9	10	10	10	se.	C. O. Valentine
New Martinsville	Wetzel	637	52	71.4	+0.3	95	30	44	4†	6.48	+2.37	2.05	2	0	10	14	11	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	71.9	+0.5	92	30	46	5	7.78	+3.78	2.79	14	0	12	6	16	8	se.	Section Center
Parsons	Tucker	1,649	47	68.6	+1.7	90	30	40	6	6.29	+1.30	1.27	19	0	15	11	10	9	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	5.20	+0.51	1.75	19	0	13	....	....	....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	65.1	+0.2	85	11†	36	5	7.49	+1.69	2.54	26	0	13	16	10	4	w.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	3.74	−0.57	0.95	19	0	11	12	7	11	....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	61	67.8	....	90	18†	41	5	5.35	−0.02	1.20	2	0	11	...	....	....	sw.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	5.54	+1.37	2.85	2	0	11	....	....	....	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	9.11	+4.00	1.60	19	0	12	....	....	....	...	W. Sleeman
Valley Chapel	Lewis	1,011	22	71.5	+1.9	92	20†	40	5	6.17	+2.42	2.10	12	0	10	15	10	5	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	68.4	+0.4	93	26†	37	10	4.08	−0.06	1.29	2	0	7	15	8	7	.....	George P. Pfister
West Milford‡	Harrison	979	20	.....	.....	.....	.....	.....	.....	6.04	+1.77	1.53	2	0	11	....	....	....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	72.8	+2.4	95	30	43	5	6.00	+1.66	2.15	13	0	11	....	....	....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	69.3	−1.3	92	29	44	4	5.60	+1.71	1.22	2†	0	13	....	....	....	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	69.4	. .	95	19†	38	6	1.65	.....	0.80	29	0	3	....	....	....	.....	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	5.74	+1.99	2.89	18	0	11	10	14	6	w.	H. S. Sutton
Athens	Mercer	2,600	6	67.0	.....	84	10†	38	5	2.34	.....	1.01	21	0	14	13	12	5	sw.	Concord College
Bluefield	Mercer	2,558	51	68.4	−1.7	87	19	41	5	2.80	−1.43	1.49	12	0	9	9	14	7	....	Norfolk & Western Ry.
Charleston	Kanawha	615	59	72.4	−0.7	93	29†	43	5	2.50	−1.89	0.72	2	0	14	16	8	6	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	71.6	.....	92	11†	41	5	4.20	.....	0.95	19	0	11	8	13	9	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	61.4	.....	83	11†	29	6	3.35	.....	1.26	2	0	10	7	13	10	s.	Department of Justice
Flat Top	Mercer	3,235	8	64.0	.....	82	19	41	5†	2.94	.....	0.98	21	0	13	14	11	5	nw.	U. S. Airway Station
Gary	McDowell	1,426	29	69.2	−0.1	89	25	41	5	4.09	−0.98	0.85	21	0	13	....	....	....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	7	71.6	.....	91	18†	42	5	9.14	.....	3.12	2	0	8	14	10	6	w.	State Forest Nursery
Hamlin	Lincoln	641	3	70.0	.....	91	18†	39	5	6.61	.....	1.84	2	0	9	18	7	5	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	74 8	+4.3	96	11	47	5	1.90	−2.40	0.52	19	0	11	....	....	....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	73.8	+0.9	95	18	45	5	8.06	+3.83	3.52	2	0	11	9	13	8	sw.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	....	.....	.....	.....	3.10	−2.09	1.32	21	0	7	....	....	....	... .	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	.....	.....
Logan	Logan	700	33	73.4	−0.2	95	11	45	5	3.05	−1.84	0.71	13†	0	11	15	10	5	.....	J. W. Ruff
London Locks	Kanawha	623	11	72.4	.....	92	30	45	5	4.75	+0.45	2.41	21	0	11	16	1	13	w.	Lockmaster
Madison	Boone	675	25	71.5	−0.8	91	11	44	5	4.77	+0.61	1.91	21	0	9	13	14	3	...	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	67.4	.....	95	29	38	5	3.78	.....	0.89	27	0	12	16	2	12	.....	M. H. Martin
Pineville	Wyoming	1,350	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	.....	Charles Dameron
Point Pleasant	Mason	595	56	72.8	+0.4	92	26	45	5	8.87	+4.79	2.83	3	0	12	17	4	9	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	15	65.4	−0.1	87	11†	35	6	3.86	−1.24	0.96	12	0	15	13	5	12	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	69.4	−1.1	88	30	39	5	6.42	+2.28	2.41	2	0	11	15	6	9	nw.	Lockmaster
Richwood	Nicholas	2,193	15	66.6	−1.8	86	10†	34	6†	4.15	−0.94	1.54	20	0	10	17	4	9	. .	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	70.8	.....	93	18	40	5	.....	.....	.....	.....	.....	.....	....	....	....	.....	Richard Church
Ryan	Roane	700	43	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	.....	Daniel C. Ryan
Seneca State Forest	Pocahontas	2,650	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	.....	Supt., State Forest
Spencer	Roane	789	47	69.4	−0.3	90	11†	39	5	5.85	+1.34	2.20	20	0	11	10	13	7	.....	A. M. McKown
Summersville	Nicholas	1,900	10	64.6	.....	88	20†	36	6†	4.39	.....	2.88	21	0	5	8	17	5	.....	A. E. Dorsey
Sutton	Braxton	850	43	71.4	+0.1	94	30	41	5	3.26	−1.70	1.20	19	0	10	....	....	....	..	C. B. Eakle
Union	Monroe	2,200	42	67.2	−0.6	89	18	35	5†	2.98	−1.01	1.66	19	0	7	22	3	5	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	14	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	....	....	....	.....	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	32	69.4	+1.4	89	11†	36	6	6.21	+2.23	2.20	19	0	8	7	16	7	.....	Ashford General Hospital
Williamson	Mingo	673	45	73.5	+0.9	94	10†	45	5	4.27	−0.50	0.88	12	0	16	15	9	6	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	72.0	.....	93	20	44	5	4.72	.....	2.48	2	0	11	16	1	13	w.	Lockmaster
State averages and extremes		.....	....	69.0	−0.8	98	25	29	6	5.27	+0.81	4.60	19	0	11	12	10	8	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1¼ miles S.
Italics interpolated.

Daily Precipitation for June 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.04	1.10	T.	T.	.04						T.	.09	.40	.89				.26	2.23	.25	.38					.12	.14	.17	.30	T.		6.41
Brandywine	do.	T.	.99										.37	.16	.07	.14			.03	1.00	.22	.20						T.	.13	T.	.24		3.55
Brushy Run[2]	do.		.90	.07	.09									.76	.15	.44				.23	.77	T.	.15							.13	.26		3.95
Harpers Ferry [2]	do.		2.06	.50	.22	T.	.02						T.	T.	.13	.02				.66	.12											3.73
Inwood	do.	T.	1.94	T.	.10	T.								T.	.34					.96	T.											3.34
Kearneysville	do.	.14	2.65			.09						.06	.09	.18						.93	.02	T.											4.16
Knobly Mountain[2]†	do.		.98											.15	.26	.03				.95	.55	.26											3.44
Martinsburg [4]	do.	.50	.78	.07	.09	T.							.09	.05	.25				T.	.88	.01	T.					.20	.06					2.72
McNeill†	do.	.08	1.19	T.	.16	T.							.08	.10	.35	.24			.14	1.11	T	.15							.45	.05	T.		4.10
Petersburg	do.	.28	.64	.08	T.	T.	T.						.61	.89	.45	.05			.10	.98	.03	.19					T.	T	.15	T.	.14		4.59
Piedmont	do.		1.35										.10	.63	.27	.01				1.93	.10	.24					.50		.42	.63			6.18
Springfield	do.		.92	.31									.04	.06	.09					1.27	.36	.11	.11										4.76
Spruce Knob [2]†	do.		.72	.28	.18								1.08	.17	.34					.29	.50	.42	.47								1.49		4.45
Stony River Dam [2]†	do.		1.05	T.									.74	1.03						.90	1.78	.58	T.					T.		.58			6.66
Wardensville [2]	do.		2.02	.14	.20		T.							.29	.23	.07	T.	T.		.83	.28	.02											4.08
Northern Division																																	
Aberdeen†	West Fork	.15	.86	T.	T	T.						T.	2.08	.35	.17	T.		.26	.03	.77	.20	.04											5.02
Belington [2]	Tygart		.70	.23	.07	T.	T.						.17	1.21	.96	.08				.38	1.09	.72	.23				.01						4.92
Benson †	West Fork	.26	1.84		.02	.07							1.28	.46	.70	.02			.18	.02	.80	.25	.06	.02				.91	1.03					7.78
Bens Run	Ohio	1.03	1.98		T.								T.	.66	.08	1.72	.03		.05	.45	.21	.48	.25										6.18
Big Skin Creek†	West Fork	.20	.93	.11	T.	.12				.05		.11	.79	.44	.10				.23	.40	.14	.14	.01								.20			5.42
Brandonville [2]	Cheat	.04	2.88	.05										.62	.27				.20		.95	.08	.22										5.29
Brownsville †	West Fork	.20	.88										.07	1.16	.25	.81			.10		1.18	.37							.57				5.58
Buckhannon	Tygart	.12	.72	.06	.05	T.							.02	2.57	.32	.88	.02		.08	.15	1.66	.36	.25	.01										5.02
Cairo	Litl.Kanawha	2.05	.01			.01							.02	.80		1.55				.30	.10												7.27
Canaan Valley	Cheat	.12	.85			.04	T.					T.	1.87	.27	1.46	.40	T.		.48	1.07	.04	.77	T.						.28		1.30		6.42
Clarksburg [2]	West Fork		1.95	.06									.14	.47	.71	T.		.56		.78	.89	.13	.06				.03	1.01	1.23	.10			9.74
Crawford	do.	.13	.65	.05	T.	.10						T.	.24	.33				.06	.08	.64	.79	.28								.13			5.88
Creston [2]	Litl.Kanawha	.05	3.49	.23	.02	T.	T.						.11	.50	1.50			.12		.06	2.84	.15					.01						3.36
Dailey [2]†	Tygart		.64	.06	.09	T.							T.	1.50						.15	.85	.52	T.				.05	1.10					10.22
Dam 10, Mon. R. [2]†	Monongahela	.07	2.00	.69		.05							.25	.46	.55	.03		.08		.85	.03	.16	.01				.42	.08	1.00				5.31
Dam 13, O. R. [2]†	Ohio	.05	1.35	.33		.03	.03						.19	.75	.06			.21	.07	.54	.08	.74					.17						5.40
Dam 15, Mon. R. [2]†	Monongahela	.06	2.48	.55		T.							.16	.81	1.06			.68		.24		.06	.03							.25			4.68
Dam 19, O. R. [2]†	Ohio	.32	2.64	T.									.88	.48	2.11		T.	T.		.23	.06	.29	T.				T.						6.13
Dam 20, O. R. [2]†	do.	.57	2.91	.05										.12	1.08			1.48		.28	.12	.38	T.										7.01
Elizabeth (Dam 3)[2]	Litl.Kanawha	.30	2.80	1.60										.55	1.60			.22		.60	.65	.16					.12						6.99
Elk†	West Fork	.37	.85									.15	1.60	.38				.43	.24	1.68		.24											8.60
Elkins [1] ‡	Tygart	.24	.52	.06	.03	T.						.03	1.55	.49	.09		T.	T.	.60	.47	.04	.78	T.											5.94
Fairmont [2]	Monongahela	.56	1.87	T.	T.	T.								.62	.30	1.36		.92	.04	.06	.02	.08	T.			1.14	.02	.16	T.				6.22
Glenville [2]	Litl.Kanawha	.22	.96	.21	T.	T.						T.	.26	.28	.32	.41		.13		.68	2.27	.09	T.										5.83
Grafton	Tygart																																5.83
Hackers Creek †	West Fork	.19	1.23									.08	1.79	.25																			
Hall [2]	Tygart		.70	.06	.09								.26	1.79	.57	.27		.12		.58	1.25	.26	.08				.2			.07			6.30
Harrison Co. Arpt. [4]	West Fork	.90	.73	T.		T.						.05	.38	.92	.15		1.03	T.	.82	.96	.08	T.	.04						.40				6.35
Hastings	Ohio	.72	2.10	.03		.01							1.05	.52	.72			.22	.55	.26		.16					.02						6.46
Horner	West Fork	.40	.80	.03								.08	1.60	.37	1.25				1.00	.65													6.36
Ireland	do		.68	.86	T.								.10	.28	T.					.85	1.00	.36	.12				.04						6.18
Jane Lew	do.	.27	.83		.01							T.	2.19	.45	.46	.01		.23	.06	2.04	.17	.19	.01										4.29
Kumbrabow St. For.†	Tygart	.07	.80	.03	.10	.05							.60	.22		.08			.07	.08	.44	.89	.04			.80	.67	.64	.07				7.16
Mannington	Monongahela	1.02	2.22										.82	.37	1.10			.50	.26	.29		.21											5.65
Middlebourne [2]	Middle Is.Creek	.26	2.85	.13		.05				.03			.19	.69	.58	T.		.20		.40	.01	.06											6.79
Midvale [2]†	Tygart		1.00	.11	.08	.03	.05						.02	1.84	.41	.03		.05		.87	.68	1.09	.18										5.45
Morgantown	Monongahela	1.10	2.05		.09								.30	.54	.27		.77		.08	.48	.01	.16	.15				.08		.41				6.93
Mt. Clare	West Fork	.27	1.11									.20	1.02	.25					.90	1.61	.06	.13				.12							6.12
New Cumberland	Ohio	.14	1.02								T.		.30	1.20	.83				T.	1.74	.03	.17							.05				5.60
New Martinsville	do.	.95	2.05		T.								.66	.56	.73			.24	.41	.78	T.	T	.02				.11						5.54
Parkersburg [1]‡	do.	1.97	1.03		T.	T.						.43	.54	2.77	.02		.06	.26	.42	.06	.16	T.						.08				6.48
Parsons	Cheat	.10	.90	T.	.06	T.						.14	1.05	.21	1.03	.08			.23	1.27	.11	.88	.03				.06						7.78
Philippi [2]	Tygart		.69	.02	T.	T.							.15	.89	.81	.04		.03		.95	.80	.21	.05				T.		.02	.18			6.29
Pickens	do.	.04	.98	.04	.06								.60	.32	.33	T.			.18	.89	.08	1.38						.52		.04			5.20
Poanoke	West Fork	.43	.72	.03	.01	T.							.60	.27				.07	.27	.95	.18	.21				2.54	.05						7.49
Rockford †	do.	.27	.90	T.	T							.24	1.85	.40	.35	.21	T.		T.	2.20		.16					T.						3.74
Rowlesburg [2]	Cheat		1.20	.15	T.								.12	.91	.80	.05				.26	1.12	.18	.20					T					6.58
Saint Marys [2]	Ohio	.33	2.85	.09		.03							.45	.33	.41			.21		.50	.04	.30								.36			5.35
Salem	West Fork	.62	2.20									.53	.56	.30	.92			.22	.23	.75	.05	.05											5.54
Shinnston	do.	.57	2.08									.05	1.20	.95	.25				1.10	.26										.85			7.28
Thomas [2]	Cheat		.55	.50									.37	1.31	1.43		T.			.70	1.60	.40	.35				.62		.53	.75			6.46
Valley Chapel	West Fork	.21	.99	T.									2.10	.48	.30			.12	.01	1.59	.27	.10	T.										9.11
Valley Head [2]	Tygart		.48	.04	.12									.65	.04	.33		.05		.86	.63	.32					.13	.66	.08				6.17
Vandalia †	West Fork	.15	.80	.07		.07							.62	.19	.18			.07	.05	1.04	.18	.34											4.39
Wellsburg (near)	Ohio	.05	1.29																														3.76
West Milford	West Fork	.26	1.53								.10	.78	.90					.19		.77							.06						4.08
Weston [2]	do.		.20	.86	.32	.02					.22	.85	.24	.72				.43	.10	1.36	.22												6.04
Wheeling (Dam 12)[2]	Ohio	.05	1.22	.28						.01			2.15	.42				.08		.26	1.53	.12	.04						.11				6.00
Southern Division												.01	1.22	.05				.21	.04	.74	.76	1.00	.01										5.60
Alderson	Greenbrier		T.		T.									T.	T.						T.	.50	.35						.80				1.65
Arbovale	do.	T.	.37		.05	T.						.15	.10		.12				2.89	.10	.23						1.43		.25	.05			5.74
Athens	New	.05	.15	.03	.08							.46	.08	.20	T.	T.			.17	.34	.67					.01	.18		.03	.29			2.74
Buffield	New				.20	.32						.25	1.49	.14	.12	.01			T.	.04	.23												2.80
Camden-on-Gauley [2]	Gauley		.22	.20	.04								.10	.38	.02	.11				.27	1.32	.20											2.85
Charleston	Gr. Kanawha	.01	.72		.02	T.							.27	.25	.06	.08		.14		.01	.25	.30											2.50
Charleston (Airport)[4]	do.	.60	.75	T.								.08	T.	.17				.19	.10	.95	.15	.07						.30	.03	.06			4.20
Clay	Elk																									.89	T.	.25		T.			
Clary Top[4]	New	.02	.43	.06	.04							.10	.07	.11		.12		.06	.68	.17	.81												
Creenbottom †	Big Sandy		.27	.01	.07							.61	.47	.26	.47	.03	T		.30	.49	.85	.08				.27	T						2.94
Dunton [2]	Ohio	.22	3 12										.60				1.00		.57	.19	.65								.18			4.09
Edgsett [2]	New		.20	.13	.03								.25	.06			.12			.52	.03					.43	.06						9.14
Huntington	Ohio	.28	3.42	.05									.18	.18			1.75	T.		.47	.13							2.79		.07			1.90
Layford [2]	do.	1.19	2.52																														
Lewisburg	Gr. Kanawha		.35		.13						.12	.40	.37	T.				.73		.50	.19	.22			T.	T.	.48	1.34					7.80
Logan [2]	Greenbrier													.15							.35	1.32					.06	.96	.32				8.06
Logan	Guyandot	T.	.54		T.							T.	.71	.11	T.			.37		.71	.12	.02				.20	.60						3.10
London Locks[2]†	Gr. Kanawha		.46	.04	.04							.03	.70	.10	T.			.05	.04	.74	2.41	.14				.19	.20	.02	.06				3.05
Madison [2]	Coal		.60										.14					.15	.65	.17	1.91											4.75
Oak Hill [2]	New		.32										.30	.14	.03			.63	.10	.83	.10	.20				.60	.17	.38				4.77
Oceville [2]	Guyandot																									.89	.22	.02				3.78
Point Pleasant [2]	Ohio	.95	2.73	.10								.15	.44	.61			1.35			.40	.18												
Princeton [2]	New	.09		.17								.36	.18	.08					.13	.03	.25					.84	.14	.98				8.87
Pinelle	Greenbrier	.02	.36	.02	.09						.03	.96	.20	T.				.09	.93	.05	.35	T.				.54	.02	.02	1.07	.02			2.96
Stevenswood [2]	Ohio	.41	2.41	.05								.05	.42	.73			.41		.03	1.51	.03					.07	.56	.08	.05				3.86
Richwood [2]	Gauley		.44	.09	.11	.10							.62	.12						1.54	.54					.31			.28				6.42
																																	4.15

Continued on next page.

Daily Precipitation for June 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
																																	$
Ripley	Ohio	....	....	....	....	....	....	....	....	....	....	....	.50	.50	....	....	....	....	....	.91	.37	....	....	....	....	....	....	....	....	....	....	....	....	....
Ryan	Gr. Kanawha	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Seneca State Forest†	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	.24	.38	.15	T.	....	.11	....	.44	2.20	.06	....	....	....	....	....	....	.03	....	....	....	5.85
Spencer [2]	Litl.Kanawha	.04	2.15	.05	T.	....	....	....	....	....	....	....	....	.75	....	....	....	....	....	.12	.50	2.38	....	....	....	....	....	....	....	....	....	....	4.39
Summersville [2]	Gauley	....	.64	....	....	....	....	....	....	....	....	.08	.20	.06	.14	....	....	....	....	1.20	.15	.55	....	....	....	....	....	....	T.	....	....	....	3.26
Sutton	Elk	.10	.72	....	....	.06	....	....	....	....	....	....	....	.17	.05	....	....	....	....	....	1.66	.67	.06	....	....	....	....	....	....	....	....	....	2.98
Union [2]	New	....	.28	....	.09	....	....	....	....	....	....	....	..	.55	....	....	.50	....	....	.55	.30	....	....	....	....	....	....	....	.56	.02	.39	..	5.33
Wayne [2]	Twelvepole	.09	2.56	.01	....	....	....	....	....	....	....	....	....	.55	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.33	....	6.21
Webster Springs	Elk	....	....	....	....	....	....	....	....	....	....	....	.95	.10	T.	....	....	....	....	2.20	1.88	.35	....	....	....	....	....	....	....	....	....	....	4.27
White Sulp'r Spgs.	Greenbrier	T.	.30	T.	.10	....	....	....	....	....	....	....	....	.88	.33	.10	....	.24	....	.03	.25	.33	.04	....	....	.70	.17	.04	.25	.27	....	4.72
Williamson [2]	Big Sandy	.02	.58	.04	T.	....	....	....	....	....	....	....	.58	.16	.30	....	....	.43	....	....	.03	....	....	....	....	....	.33	.13	.24	....	....	....	....
Winfield Locks [2†]	Gr. Kanawha	.02	2.48	.02	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for June 1946

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	70	67	67	61	62	72	81	81	80	76	83	74	74	73	70	76	80	83	68	82	73	70	74	69	80	82	81	80	81	82	....	75.1
	Minimum	50	49	42	37	33	33	46	64	60	32	44	64	58	56	49	50	51	60	54	52	57	50	40	42	42	51	51	64	51	43	....	49.2
Bluefield	Maximum	78	74	76	63	65	75	82	84	84	84	83	78	81	78	77	78	84	85	87	86	85	72	74	80	83	82	79	81	81	82	..	79.4
	Minimum	59	56	54	50	41	45	56	62	60	52	60	65	64	59	60	60	63	66	67	65	61	52	46	50	60	59	53	57	62	55	....	57.3
Brandywine	Maximum	85	70	78	72	65	80	89	91	87	81	91	84	83	82	73	80	87	92	85	88	87	84	79	82	88	89	88	87	90	87	....	83.5
	Minimum	50	48	44	42	30	32	47	53	56	35	48	59	57	52	52	53	50	57	53	55	56	43	39	40	43	52	47	46	54	52	....	48.2
Buckhannon	Maximum	80	69	66	65	58	77	84	84	81	84	88	81	76	81	83	85	85	88	85	88	81	74	81	85	87	86	86	86	86	90	....	81.4
	Minimum	63	56	50	46	38	42	55	56	65	42	51	64	62	60	56	59	66	68	65	62	61	58	47	51	53	60	53	55	61	60	....	56.2
Cairo	Maximum	85	70	70	75	72	79	85	89	83	84	89	83	81	81	87	88	89	86	85	88	77	79	84	87	90	90	88	90	89	91	....	83.8
	Minimum	49	42	51	43	53	44	58	64	43	44	50	64	63	63	57	63	66	70	68	67	64	68	50	53	53	59	57	59	58	62	....	56.3
Charleston (Airport)	Maximum	75	74	70	70	73	80	86	86	84	87	92	83	82	83	88	89	88	92	89	89	77	80	84	89	92	89	85	84	90	92	....	84.1
	Minimum	62	56	55	50	41	46	53	62	63	50	55	66	64	62	51	64	68	67	67	66	60	60	55	56	58	61	57	59	64	63	....	59.0
Clarksburg [3]	Maximum	69	67	66	65	67	77	85	85	78	85	88	82	75	80	86	89	86	88	82	89	74	75	82	86	89	89	87	91	87	92	....	81.4
	Minimum	49	57	49	44	40	44	54	62	65	45	51	59	63	61	55	58	64	68	67	65	63	57	51	54	57	58	56	59	61	63	....	56.6
Cranberry Glades	Maximum	72	69	66	66	64	76	81	80	80	75	83	75	78	75	77	72	81	83	83	82	70	70	75	78	80	80	77	70	80	81	....	76.0
	Minimum	48	54	43	43	30	29	40	55	55	35	42	54	57	51	52	56	56	52	51	60	55	39	39	38	40	46	40	43	51	50	..	46.8
Elkins	Maximum	72	67	64	61	63	73	83	81	77	81	85	77	74	76	79	83	83	85	82	82	71	71	77	82	86	82	82	83	82	86	....	77.7
	Minimum	57	53	51	44	37	40	52	62	49	42	49	63	61	59	60	56	64	63	64	63	55	51	47	49	50	57	54	55	60	59	....	54.2
Fairmont [3]	Maximum	83	68	70	70	71	85	85	85	84	85	91	80	79	83	85	88	88	88	78	91	83	79	85	87	91	93	90	91	89	92	....	83.9
	Minimum	64	56	52	44	41	55	55	65	64	46	51	66	63	61	56	61	65	69	67	65	62	57	51	54	58	59	58	59	61	63	....	58.3
Flat Top	Maximum	72	64	66	58	62	71	78	78	80	77	80	74	74	73	78	74	77	81	82	80	67	70	77	78	79	80	76	78	81	80	....	74.8
	Minimum	51	53	51	46	41	41	50	60	61	47	48	64	64	54	56	59	61	64	62	61	60	49	44	45	49	52	47	50	55	53	....	53.3
Gary [3]	Maximum	80	70	73	68	70	79	85	*85*	86	88	86	81	83	79	85	85	84	82	80	87	75	*80*	85	86	89	86	67	77	*86*	76	....	80.8
	Minimum	55	63	54	52	41	42	49	55	*55*	51	54	59	61	62	62	64	64	63	66	65	65	54	*54*	59	54	60	56	62	*63*	*62*	....	57.5
Huntington	Maximum	81	74	72	73	76	82	87	89	87	87	92	82	79	85	86	89	88	95	92	92	82	83	87	90	93	92	85	81	91	93	....	85.5
	Minimum	67	57	59	50	45	51	56	67	65	53	59	69	65	66	61	68	63	73	71	67	65	63	58	58	62	66	64	65	64	67	....	62.1
Logan [3]	Maximum	77	78	72	71	77	83	91	86	91	93	95	80	81	84	89	89	88	93	91	93	78	83	86	88	91	91	84	86	89	94	....	85.7
	Minimum	61	58	67	54	45	46	53	60	64	55	56	64	65	63	67	70	65	68	70	67	66	58	58	58	59	63	64	62	65	65	....	61.2
Madison [3]	Maximum	79	73	70	70	73	80	87	87	85	88	91	82	81	83	86	86	85	88	90	90	77	80	82	88	89	88	84	84	89	90	....	83.5
	Minimum	60	57	57	52	44	46	52	58	62	54	55	65	65	61	65	65	68	67	69	65	62	57	56	56	59	61	58	61	64	63	....	59.5
Mannington	Maximum	81	70	69	68	73	80	86	86	85	86	89	82	81	81	85	88	87	87	77	90	84	78	87	89	91	90	88	91	91	94	....	83.8
	Minimum	62	56	45	40	37	40	49	60	59	40	47	62	62	59	56	55	67	67	67	65	62	53	48	52	56	55	55	59	60	64	....	55.3
Martinsburg	Maximum	83	68	72	71	69	77	86	91	83	74	93	82	78	65	71	74	87	91	66	68	74	76	82	86	88	90	88	90	84	85	....	79.7
	Minimum	63	52	49	50	49	44	56	68	58	49	54	58	66	54	55	59	62	63	54	54	59	54	48	52	54	58	61	63	63	63	....	56.7
Middlebourne	Maximum	72	74	70	70	75	81	87	89	82	86	90	90	81	82	86	92	88	90	84	92	78	78	87	90	92	92	91	92	94	93	....	84.9
	Minimum	65	56	46	42	40	44	51	61	60	43	50	64	62	60	58	59	56	67	66	67	62	54	49	53	57	57	56	59	61	63	....	56.3
Morgantown	Maximum	74	65	67	66	74	80	86	87	82	85	91	80	80	77	80	86	86	85	74	84	77	73	82	85	86	88	86	86	90	89	....	81.0
	Minimum	62	54	52	49	41	45	61	68	64	43	55	67	62	62	54	57	64	69	62	63	64	57	54	58	61	65	60	62	64	66	....	58.8
New Martinsville	Maximum	73	70	68	71	73	82	86	87	82	85	90	84	80	81	86	90	84	90	77	92	79	80	86	90	92	92	91	91	94	95	....	84.0
	Minimum	65	56	48	44	44	45	55	68	61	45	51	55	63	61	60	62	68	70	67	65	62	57	52	58	61	59	60	63	65	66	....	58.9
Parkersburg	Maximum	74	72	65	67	73	81	87	88	78	84	91	83	76	80	82	89	84	88	84	91	78	77	84	86	89	92	89	85	91	92	....	82.7
	Minimum	60	55	54	48	46	53	60	71	59	50	59	70	62	65	58	68	68	68	70	70	63	59	55	58	62	66	64	62	65	66	....	61.1
Petersburg	Maximum	82	72	68	67	68	80	91	91	84	81	92	83	79	77	70	80	89	90	68	79	77	78	82	86	89	89	88	89	85	90	....	81.5
	Minimum	62	55	50	47	41	40	56	74	57	43	53	68	60	57	57	57	66	65	55	54	57	53	49	51	52	60	56	58	63	62	....	55.9
Pickens	Maximum	70	65	60	59	60	71	80	80	68	80	85	74	73	76	78	83	81	82	83	82	69	73	75	80	84	82	82	82	85	84	....	76.2
	Minimum	57	54	47	42	36	40	57	61	61	42	53	64	59	60	52	57	53	62	64	61	55	51	56	48	48	57	52	52	59	60	....	54.0
Point Pleasant	Maximum	82	70	69	70	73	80	86	87	84	85	90	87	84	80	86	89	87	91	89	90	84	78	83	88	91	92	87	84	91	91	....	84.3
	Minimum	61	55	58	48	45	50	57	70	64	51	58	70	64	67	58	68	67	73	70	69	62	60	57	58	61	61	63	65	65	67	....	61.4
Rainelle	Maximum	77	68	68	64	66	77	85	84	82	83	87	76	78	76	83	80	85	84	85	86	77	78	78	83	86	80	77	83	84	87	....	79.6
	Minimum	48	53	49	47	36	35	43	49	53	43	48	54	57	56	57	61	58	56	59	62	59	46	46	44	46	51	50	54	56	56	....	51.1
Richwood	Maximum	76	65	64	63	65	74	76	80	84	86	86	84	78	80	84	86	84	84	85	84	82	84	85	84	85	83	85	85	85	85	....	80.4
	Minimum	41	49	49	44	36	34	51	56	40	42	58	56	55	58	60	62	60	60	62	60	57	58	50	58	60	56	60	60	60	52	....	52.9
Spencer [2]	Maximum	70	73	65	73	72	79	85	85	82	85	90	82	75	81	83	87	86	90	85	84	75	77	80	85	88	86	85	84	87	90	....	81.6
	Minimum	64	54	53	45	39	45	51	63	63	47	52	58	62	62	58	62	66	70	67	65	61	60	50	53	55	60	56	57	60	61	....	57.8
Summersville [3]	Maximum	74	68	66	63	66	75	84	84	80	83	83	78	76	76	82	85	84	87	87	88	78	74	78	83	85	81	83	83	85	88	....	79.6
	Minimum	51	56	48	42	39	36	35	47	44	40	42	41	59	53	57	56	60	62	60	61	60	48	47	46	47	50	47	52	52	54	....	49.7
Sutton	Maximum	86	76	73	68	73	79	89	90	90	88	90	90	84	85	86	89	92	93	93	90	89	80	83	87	91	91	89	89	90	94	....	85.2
	Minimum	58	57	54	50	41	43	50	55	57	48	50	63	62	60	61	63	62	65	63	62	60	56	52	54	57	59	56	57	62	61	....	56.0
Wardensville [3]	Maximum	82	68	69	67	67	77	89	90	85	84	92	82	78	65	74	76	90	91	62	81	75	77	81	85	87	90	91	90	88	86	....	80.6
	Minimum	55	55	53	48	40	39	51	56	69	41	49	72	63	61	54	56	59	61	56	53	61	50	44	48	47	56	56	55	58	58	....	54.1
Weston	Maximum	75	72	70	71	72	80	89	89	84	89	93	88	80	83	86	90	89	90	89	90	86	80	85	90	91	89	88	90	92	95	....	85.2
	Minimum	67	60	55	48	43	53	55	68	65	47	55	75	65	63	61	64	64	70	69	66	65	60	51	55	60	60	58	61	65	64	....	60.4
Wheeling [3]	Maximum	69	70	67	65	72	78	82	84	77	80	86	80	77	79	82	85	82	85	76	87	75	77	85	88	89	89	87	88	92	89	....	80.7
	Minimum	63	45	47	44	45	48	54	67	58	45	48	65	64	63	57	57	62	71	68	61	62	55	55	57	59	61	64	66	65	65	....	57.9
Williamson [3]	Maximum	79	76	76	72	77	84	90	90	89	94	94	85	82	85	88	84	88	92	90	94	79	82	86	90	93	89	81	88	92	90	....	86.0
	Minimum	60	62	58	54	45	46	53	58	63	55	56	63	65	63	66	65	67	69	70	67	66	59	57	58	60	65	63	64	68	63	....	61.0

Daily Evaporation (inches) and Wind Movement (miles) for June 1946

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.270	.012	.112	.097	.119	.084	.299	.153	.229	.442	.190	.177	.095	.169	.114	.148	.217	.074	.360	.221	.130	.206	.179	.164	.166	.250	.070	.268	.116	.186	....	5.31
	Wind movement	54	61	56	36	42	59	98	77	91	85	32	91	70	68	44	34	40	54	56	40	45	69	67	21	20	40	40	44	16	47	....	159
Wardensville	Evaporation	.115	.237	.210	.145	.187	.123	.117	.274	.336	.354	.199	.302	.252	.030	.084	.095	.191	.053	.200	.081	.129	.100	.176	.223	.257	.130	.272	.050	.348	.311	....	5.57
	Wind movement	29	67	25	19	36	29	22	46	69	47	21	72	36	28	59	13	25	22	56	36	36	25	29	21	16	17	28	14	21	26	....	99

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—9-30-46—925)

51.05
WE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY: 25 CENTS A YEAR

VOL. LIV JULY 1946 No. 7

GENERAL SUMMARY

The mean temperature of 72.5° averaged 0.7° below normal. However, several stations in the extreme southwestern and extreme northwestern parts of the State and a few scattered stations elsewhere recorded mean temperatures somewhat above normal. Daytime temperatures were uniformly rather warm while night temperatures were moderate except for the periods from the 7th to 12th, 19th to 22d, and 29th to 30th when they were quite high. The coolest periods occurred on the 3d-4th and the 26-27th. Bayard reported frost on the 27th.

It was the 8th driest July of record. The northeastern panhandle division averaged 69 percent of the normal amount of precipitation, the northern division 64 percent, and the southern division 79 percent. Rainfall was in the form of showers and in most places was well-distributed by days throughout the month. However, after the middle of the month dry weather began to set in, the showers becoming more widely scattered. Hail was reported from Logan County on the 6th and 8th; from Mason County on the 11th; Wirt County on the 12th and 13th; Barbour, Cabell, Mercer, and Upshur Counties on the 21st; Mason and Upshur Counties on the 22d; Wirt County on the 25th; and from McDowell County on the 26th. Monetary losses were small in most cases. On the 6th, 4.66 inches of rain fell at Crawford in Lewis County. It caused the worst flash flood in years at that place. In Grant County two barns were struck by lightning and burned.

Farm and garden crops made excellent growth during the first two weeks of the month; then the weather turned drier, making excellent harvest conditions but not too good for the growing crops. Corn made rapid growth during the first two weeks, and satisfactory progress in the majority of localities all month. Some places were missed by the showers and the crops suffered accordingly. Peaches and summer varieties of apples were being picked in all sections during the last week of the month. Pastures produced well for the first two decades but, thereafter, hot dry weather brought the growth of the grasses to a standstill. The second cutting of alfalfa was satisfactory in most places. Home gardens yielded heavily all month and late gardens were being planted at the close. —*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 65 stations, was 72.5°, or 0.7° below the normal. The mean for the northeastern panhandle division was 70.9°; for the northern division, 72.0°; and for the southern division, 73.7°. The highest monthly mean was 77.8° at Hinton and the lowest, 63.6° at Bayard. The highest temperature was 100° at Inwood on the 19th and 20th and the lowest, 35° at Bayard and Canaan Valley on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 106 stations, was 3.20 inches, or 1.41 inches below the normal. To achieve proper weighting, the records from 31 stations were not used in computing the mean. In the northeastern panhandle division, the average was 2.66 inches; in the northern division, 3.03 inches; and in the southern division, 3.65 inches. The greatest monthly precipitation was 7.79 inches at Valley Head, and the least, 0.77 inch at Piedmont. The greatest amount in any 24 consecutive hours was 5.12 inches at Valley Head on the 30th. The average number of days with 0.01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3	4	2	2	..	..	2	10	1	12	10	1	15	6	3	3	4	7	2	1	1	2	8	9	..	3	4	2	3	5	3
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	1	..	2	..	..	..	..	3	..	1	..	..	..	..	1	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..
Hail	1	..	..	..	..	1	..	1	..	..	1	1	1	..	..	..	..	..	..	..	2	2	..	..	1	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	20	2	..	..	..	9	2	16	21	2	15	12	2	..	1	..	..	..	1	21	31	2	..	2	14	1	..	..	2	11	11

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.23	26	29.84	22	4.9	24	nw.	11	89	59	67	67	0
Columbus, Ohio	30.25	26	29.85	22	6.8	28	sw.	19	83	51	57	68	0
Elkins	30.28	28	29.90	12	4.0	25	nw.	21	97	59	77	58	17
Huntington Airp't.	30.19	28	29.86	22	.....	25	sw.	20	90	56	77	....	0
Parkersburg	30.23	28	29.86	11	5.0	16	ne.	24	82	51	59	66	0
Petersburg, W. Va.	30.30	4	29.89	12	.....	21	n.	15	93	53	70	....	3
Pittsburgh, Pa	30.26	4	29.85	1	7.8	26	w.	11	79	50	57	65	0

COMPARATIVE DATA FOR JULY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	**67.5**	..	..	5.08	6.57	3.50	5.59	0.0	..	..	..	..
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	..	..	..
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	13.32	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	**31**	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	7
1942	73.9	103	41	2.89	4.68	4.91	4.44	.0	12	13	12	6
1943	73.4	101	34	5.22	8.17	5.15	6.56	.0	13	10	13	8
1944	72.6	102	34	2.39	3.13	2.18	2.65	.0	8	16	10	5
1945	72.2	100	34	6.27	5.50	5.30	5.54	.0	12	12	12	7
1946	72.5	100	35	2.66	3.03	3.65	3.20	.0	9	15	9	7
Period	73.2	112	31	3.83	4.72	4.61	4.61	.0	11	14	11	6

Climatological Data for July 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	63.6	−4.0	86	19	35	27	1.16	−0.38	0.41	11	0	9	13	9	9	w.	Howard R. Fulk
Brandywine	Pendleton	1,586	30	68.4	−2.9	95	19	37	4†	3.40	−0.17	1.14	2	0	11	18	4	9	n.	E. L. Keister
Great Cacapon	Morgan	500	2	74.0	.....	98	14	51	15†	2.68	.....	0.98	22	0	6	15	10	6	e.	Ronald Reeder
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	2.28	−1.22	0.60	22	0	6	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	74.3	.....	100	19†	47	17†	2.36	.....	1.10	21	0	5	13	16	2	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	73.7	−2.4	98	19	48	16†	2.60	−0.59	1.60	21	0	5	17	13	1	s.	University Exper. Station
Martinsburg	Berkeley	435	54	73.4	−2.3	98	19	49	27	2.07	−1.55	1.44	21	0	6	18	10	3	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	70.4	−1.2	97	19	40	17†	3.27	+0.24	1.32	21	0	8	13	11	7	w.	R. E. Saville
Petersburg	Grant	1,029	7	71.9	.....	95	20	46	27	2.34	.....	0.79	7	0	12	9	11	11	se.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	72.1	−0.2	92	19	46	27	0.77	−2.71	0.24	21	0	4	17	9	5	s.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	1.46	−2.68	0.36	20	0	9	10	6	15	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	71.6	+1.0	99	8	43	17	2.76	−0.34	0.89	7	0	9	21	8	2	nw.	Reymann Memorial Farm
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	3.75	−1.04	1.90	2	0	8	11	17	3	.....	L. Esle Bond
Benson	Harrison	1,080	21	72.6	+0.1	95	11†	46	27	2.01	−3.14	0.68	7	0	8	16	9	6	.....	R. D. Marts
Bens Run	Pleasants	652	45	76.0	+0.9	98	19	53	26†	1.84	−2.69	0.57	31	0	9	.....	.....	.....	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	67.2	.....	93	19	37	25	2.55	.....	0.89	21	0	5	.....	.....	.....	.....	James I. Galloway
Brownsville	Lewis	1,032	22	73.4	−0.4	99	20	45	27	3.03	−1.77	1.74	2	0	8	17	10	4	s.	M. D. Hawkins
Buckhannon	Upshur	1,411	55	71.3	−0.5	92	19	45	27	2.83	−1.89	1.71	2	0	10	16	11	4	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	40	73.6	−0.7	95	10†	48	27	2.19	−2.23	1.50	21	0	5	26	3	2	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	....	64.2	.....	87	19	35	27	4.69	.....	1.84	9	0	12	3	23	5	e.	George B. Thompson
Clarksburg	Harrison	1,015	23	72.4	−1.4	96	19	48	27	0.86	−3.22	0.40	21	0	8	23	3	5	ne.	Clarksburg Water Board
Creston	Wirt	640	45	73.8	−0.9	94	19	50	27	2.52	−1.70	1.40	1	0	9	16	8	7	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	72.6	.....	95	11†	50	27	2.94	−1.14	0.85	1	0	12	21	1	9	se.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	2.46	−1.90	1.48	11	0	8	.....	.....	.....	. . .	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	2.90	−1.03	0.83	20	0	11	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	2.51	−1.42	0.76	7	0	8	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	2.28	−1.65	0.83	7	0	6	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	2.07	−2.33	1.10	8	0	4	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	1,927	47	68.4	−1.4	89	11	42	27	2.99	−2.39	1.17	2	0	14	9	7	15	nw.	U. S. Weather Bureau
Fairmont	Marion	883	54	73.4	−0.9	97	10†	50	4†	2.83	−1.57	0.98	21	0	8	13	8	10	ne.	Monongahela Power Co
Glenville	Gilmer	738	58	75.2	−0.1	96	20	50	27	4.58	−0.29	2.54	2	0	5	16	8	7	w.	Howard R. Brannon
Harrison County Airport	Harrison	1,188	6	71.2	.....	93	10†	47	27	1.89	.....	0.50	1	0	8	11	9	11	n.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	1.43	−3.36	0.72	1	0	9	13	15	3	w.	L. G. McIntyre
Ireland	Lewis	1,142	9	.....	.....	.....	.....	.....	.....	2.66	.....	1.32	2	0	6	.....	.....	.....	.....	Paul H. Loudin
Jane Lew‡	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	2.32	−2.62	0.95	2	0	9	.....	.....	.....	.....	Mrs. Reta Goldsmith
Mannington, 1½ mi. NW	Marion	974	44	72.1	+0.3	96	19	45	4	3.27	−1.52	1.79	1	0	12	16	8	7	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	5	73.2	.....	98	19	47	4	1.20	.....	0.39	2	0	9	20	5	6	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,300	70	73.6	+0.1	96	19	49	4	3.94	−0.44	1.25	31	0	10	.....	.....	.....	.....	State Dairy Farm
New Cumberland	Hancock	671	51	73.2	+0.2	95	8†	49	15	1.88	−2.20	1.09	21	0	9	19	7	5	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	74.8	−0.4	98	19	52	26†	2.65	−1.84	0.94	21	0	8	19	9	3	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	74.8	−0.6	95	19	56	26	2.21	−2.08	0.91	6	0	8	10	9	12	se.	Section Center
Parsons	Tucker	1,649	47	70.8	0.0	92	11	45	27	3.98	−1.11	1.56	7	0	11	.....	.....	.....	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	3.92	−0.81	2.20	21	0	11	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	68.0	−0.6	86	10†	45	3	3.77	−2.27	1.53	2	0	11	21	4	6	w.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	5.29	+0.40	2.23	2	0	6	21	7	3	.....	Miss Mary A. Conrad
Rowlesburg	Preston	1,375	61	71.3	.....	95	19	47	27	5.78	+0.58	1.82	21	0	9	4	1	26	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	1.72	−2.44	0.51	6	0	5	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	4.08	−2.41	1.10	6	0	6	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	74.6	+0.6	96	20	46	27	1.44	−3.49	0.80	2	0	8	16	13	2	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	72.0	−0.2	98	8	43	16	3.66	−0.52	2.63	22	0	6	17	11	3	.....	George P. Pfister
West Milford‡	Harrison	979	20	.....	.....	.....	.....	.....	.....	2.14	−2.51	0.56	8	0	9	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	74.7	+0.3	96	10†	49	27	3.63	−0.79	2.34	2	0	9	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	73.4	−1.4	95	9†	51	26†	2.10	−2.20	0.91	12	0	7	16	4	11	sw.	Lockmaster
Southern Division																				
Alderson	Greenbrier	1,570	....	74.4	.....	95	12†	48	4	5.60	.....	1.88	22	0	6	16	14	1	.....	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	5.24	+0.53	1.85	2	0	10	17	6	8	w.	H. S. Sutton
Athens	Mercer	2,600	6	71.0	....	88	14	53	4†	3.11	.....	1.12	22	0	10	10	13	8	sw.	Concord College
Bluefield	Mercer	2,558	51	71.6	0.0	90	19†	54	28	3.99	−0.08	1.19	22	0	11	15	10	6	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	4	74.2	.....	95	11†	54	28	3.96	.....	1.61	22	0	10	11	7	13	.....	Willard F. Russell
Camden-on-Gauley	Webster	2,029	28	.....	.....	.....	.....	.....	.....	3.81	−1.10	1.35	6	0	8	.....	.....	.....	.....	W. F. Compton
Charleston	Kanawha	615	59	76.1	−0.8	95	11†	55	3†	4.08	−0.70	1.46	9	0	8	.....	.....	.....	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	75.2	.....	96	19	53	27	5.60	.....	2.64	9	0	10	11	8	12	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	63.8	.....	88	15	39	27	4.43	.....	1.95	22	0	9	2	19	10	e.	Department of Justice
Flat Top	Mercer	3,235	8	67.4	.....	86	11	49	18	4.58	.....	2.81	22	0	10	11	15	5	nw.	U. S. Airway Station
Gary	McDowell	1,426	29	.....	.....	.....	.....	.....	.....	3.16	−1.77	0.75	26	0	11	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	550	7	74.4	.....	95	10	53	27	5.75	.....	2.25	9	0	6	9	16	6	w.	State Forest Nursery
Hamlin	Lincoln	641	3	73.2	.....	93	19	48	27†	4.34	.....	1.90	9	0	9	14	12	5	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	77.8	+3.4	99	18	60	3†	4.57	+0.50	1.08	24	0	9	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	77.0	+0.4	96	19	57	27	3.54	−0.76	1.66	21	0	9	6	22	3	ne.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	2.80	−2.37	1.20	31	0	4	.....	.....	.....	.....	Truax-Traer Coal Co.
Logan	Logan	700	33	77.0	+1.0	97	21†	55	28	4.47	−0.46	1.16	8	0	10	18	10	3	.....	J. W. Ruff
London Locks	Kanawha	623	11	76.0	.....	95	19	55	27	2.14	−3.80	0.73	2	0	8	.....	.....	.....	se.	Lockmaster
Madison	Boone	675	25	76.1	+1.3	94	11†	54	28	1.09	−4.24	0.72	12	0	5	20	9	2	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	71.2	.....	89	11†	53	27	2.63	.....	0.88	2	0	8	14	3	14	.....	M. H. Martiu
Pineville	Wyoming	1,350	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Charles Dameron
Point Pleasant	Mason	595	56	76.0	−0.4	95	19	56	27	5.28	+1.14	1.79	20	0	7	17	6	8	ne.	E. C. Winger
Rainelle	Greenbrier	2,424	15	70.0	+0.5	89	11†	46	28	5.80	+0.01	1.69	10	0	10	18	3	10	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	72.0	+3.1	92	10†	50	27	3.32	−0.70	1.25	1	0	7	16	2	13	ne.	Lockmaster
Richwood	Nicholas	2,193	15	69.6	−2.2	88	19	46	29	4.60	−2.24	2.46	11	0	7	19	6	6	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	74.4	.....	96	19	49	27	3.37	.....	1.50	21	0	9	.....	.....	.....	.....	Richard Church
Seneca State Forest	Pocahontas	2,650	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Supt., State Forest
Spencer	Roane	789	47	72.2	−1.4	92	19	50	27	3.40	−0.84	0.98	2	0	8	9	20	2	.....	A. M. McKown
Summersville	Nicholas	1,900	10	68.6	.....	92	13	40	3	3.06	.....	1.75	7	0	5	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	43	75.3	+0.5	96	19†	48	27	1.94	−3.39	1.10	9	0	7	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	42	70.4	−1.2	92	19	50	29	3.36	−0.43	1.40	25	0	11	21	1	9	e.	Thelma F. Spangler
Wayne	Wayne	598	22	.....	.....	.....	.....	.....	.....	3.22	−1.37	0.92	11	0	12	.....	.....	.....	.....	Laura J. Dean
Webster Springs	Webster	1,500	14	71.6	.....	90	11†	48	27	3.86	.....	1.40	12	0	11	22	6	3	e.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	32	71.9	+0.3	94	21	42	4	3.70	−0.22	1.13	22	0	12	3	23	5	w.	Ashford General Hospital
Williamson	Mingo	673	45	77.6	+1.5	96	19	56	27	5.07	+0.64	1.87	25	0	10	18	9	4	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	75.8	.....	95	10	54	27	2.69	.....	1.34	1	0	7	16	1	14	w.	Lockmaster
State averages and extremes		.....	....	72.5	−0.7	100	19†	35	27	3.20	−1.41	5.12	30	0	9	15	9	7	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for July 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.02						.05		.03		T.	.41			.15					.30	.12	.02			.06					T.	1.16
Brandywine	do	1.00	.14					.45	.12	.48		T.	.27			.06					.33	.13	.20			T.					.22	3.40
Brushy Run[2]	do	.61	.18	T.				.18	.28	.79	.11		.45				.06					T.	.12	.05			T.				.35	3.18
Great Capacon	Morgan	.57						T.								.60						.66	.32			.02				T.	.51	2.68
Harpers Ferry[2]	Potomac							.10	T.	T.				.42			.27					.44	.60	.45								2.28
Inwood	do	.05								T.			T.			.35						1.10	.63	.23								2.36
Kearneysville	do									.34	T.		T.			.28						1.60	.12	.26								2.60
Knobly Mountain[2]†	do	.87	1.05								1.61						.34					.65	T.	T.			T.				.60	5.12
Martinsburg[4]	do	T.	T.				T.	.01		T.	..		T.			.23					T.	1.44	.20	.18		.01				T.		2.07
McNeill†	do	.30	T.					.20		.48				.06		.32					.56	1.32		.03								3.27
Petersburg	do	.19	.02			T.	.07	.72	.05	.14			.08			.19	T.				T.	.44	.07	.01		T.	T.			.36	T.	2.34
Piedmont	do		.11							.20						.22							.24			T.				T.		0.77
Springfield	do		.07							.40							.19					.56	.14	.10							1.35	2.81
Spruce Knob[2]†	do	.30	.27	.04				.74	.19	.43	.68		.29				T.						.33	.42								.82	4.51
Stony River Dam[2]†	do	.13	.13					.13		.21			.13			.10						.36	.12								.15	1.46
Wardensville[2]	do		.19					.89			.34	T.	.03			.44						.30	.49	.07							.01	2.76
Northern Division																																	
Aberdeen†	West Fork	.05	1.85			T.		.10		.40		T.	.02			T.						1.16	.13			T.					.04	3.75
Belington[2]	Tygart		1.80			T.		.58		.01	.01		.62				.03					.96	.06	.06			T.				.03	4.16
Benson†	West Fork	.02						.68					.08	.03								.31	.20			.44					.25	2.01
Bens Run	Ohio	.03				.25				.13		.03	.38									.35	.03			.07					.57	1.84
Big Skin Creek†	West Fork	.87	.81			.04	.42						.26									.69	.01								.30	3.40
Brandonville[2]	Cheat		.34							T.			T.			T.	T.				.73	.89	.20	T.		.39						2.55
Brownsville†	West Fork	.40	1.34					.34		.43						.01						.29	.02								.20	3.03
Buckhannon	Tygart	.46	1.25					.36	.01	.05	T.	T.	.14			T.						.28	.06			.02					.20	2.83
Cairo	Litl.Kanawha	.38											.05									1.50				.08					.18	2.19
Canaan Valley	Cheat	.23	.27			.29	.06			1.84			.20			.08					.40	.75	.11			.02					.44	4.69
Clarksburg[2]	West Fork		.20							.03	.04		.01									.29	.11	.05		T.	.13					0.86
Crawford	do	.39	1.04			T.	4.66	T.	.04	.18			.13			T.							.06			.04					.55	7.09
Creston[2]	Litl.Kanawha		1.40					.03		.03			.50				.02					.15	.32	T.			T.			.05	.02	2.52
Dailey[2]†	Tygart		.96			T.		.57		.50	.05		.22																			$$$
Dam 10, Mon. R.[2]†	Monongahela		.85					.01		.03	.04		.07	T.			.03					.68	.27	.16		.03	.56				.21	2.94
Dam 13, O. R.[2]†	Ohio		.03										1.48				.03					.24	.03	.03		.10					.52	2.46
Dam 15, Mon. R.[2]†	Monongahela		.32				.01			.02	.05		.37				.08					.83	.42	.14		T.	.59				.07	2.90
Dam 19, O. R.[2]†	Ohio		.70			.16	.76			.11			T.									.23	.49	.03		.03						2.51
Dam 20, O. R.[2]†	do		.64			.33	.83			.13			T.									.07	.28			T.						2.28
Elizabeth (Dam 3)[2]	Litl.Kanawha		.65						1.10														.10	.22								2.07
Elk†	West Fork		.60				.23			.47				.12								.23				.33					.10	2.08
Elkins[1]†	Tygart	.76	.41			T.	.08	.10	.23	.13		.45	.44			.03					T.	.15	.01			.12				.03	.05	2.99
Fairmont[2]	Monongahela		.87							T.		.04	.17			.04					T.	.98	.08			.23				T.	.42	2.83
Glenville[2]	Litl.Kanawha		2.54								.91	T.											.66	T.						.24	.23	4.58
Hackers Creek†	West Fork	.21	.32					.10	.35			.71				.05						.42	.10			.25					.46	2.97
Hall[2]	Tygart		2.06					.50		T.	.61		T.	T.			T.					.27	.14	.02			T.				.19	3.79
Harrison Co. Arpt.[4]	West Fork	.50				T.			.10	.21						T					.26	.13	.15		.23					.31	1.89
Hastings	Ohio	.60	.12				.05			.18	.15		.10									.02	.09	T.							.12	1.43
Horner	West Fork	.48	1.60				.05	.32			.10					.07						.80										3.42
Ireland	do		1.32					.14			.48						T.						.14								.02	.56	2.66
Jane Lew	do	.37	.58					.53		.39		T.	.04			T						.16	.11			.07					.07	2.32
Kumbrabow St. For.†	[2]Tygart	.45	.21				1.02	.32	.43	.16			.46			T.						.34	.05	.02							T.	.85	4.31
Mannington	Monongahela	.87	.92				.03	.01		.07	.04		.08			.06					T.	.53	.03			.25						.38	3.27
Middlebourne[2]	Middle Is.Creek		.39					.12			.21		.03									.04	.08	.10		.04					.19		1.20
Midvale[2]†	Tygart		1.64					.19		.03	.08		.42	.02			.05					.60	.27	.06			.09					.09	3.54
Morgantown	Monongahela	.64	.38			T.				.10	T.		.07			.02					.32	.12	.20			.84				T.	1.55	3.94
Mt. Clare	West Fork	.20	.14					.02			.13					T.						.46	.08			.12					.28	1.43
New Cumberland	Ohio		.02										.37	.26							.04	1.09	.06	.02						.01	.01	1.88
New Martinsville	do	T.	.06				.08			.50	T.		.17			T.						.94	.35			.12					.43	2.65
Parkersburg[1]†	do	.06					.91		.02	T.						T.					.17	.26	.12			.02					.65	2.21
Parsons	Cheat	.22	.43					1.56		.03			.73			.04					.07	.67	.03			T.				.02	.18	3.98
Philippi[2]	Tygart	T.	1.06				T.	.04		.04	.13		.03	T.			.05					.97	1.23	.29			.03					.05	3.92
Pickens	do	1.47	.06				.69	.15	.43	.31			.05			T.						.08	.10	.08								.35	3.77
Roanoke	West Fork	T.	2.23					1.20		.30												.58	.03								.95	5.29
Rockford†	do	.20	.30					.13	1.84		T.	T.	T.			T						.60	T.		36						.20	3.63
Rowlesburg[2]	Cheat		.70					T.		T.	.11		.11	T.			.10					1.82	.93	1.64			.20				.17	5.78
Saint Marys[2]	Ohio		.24					.51		T.			.24									.35	.38									1.72
Salem	West Fork	.85						.33	.31	.18		.35				T.					T.	.55				.13					.45	3.15
Shinnston	do								.65				.20			.15						.06	.26			.30					.45	2.07
Thomas[2]	Cheat		.75					1.10			.92		.51	T.								.30	.50									4.08
Valley Chapel	West Fork	.15	.65					.08		.01			.05									.20	.11								.19	1.44
Valley Head[2]	Tygart		.44					1.18		.15	.51		.16										.10	.13							5.12	7.79
Vandalia†	West Fork	1.09	1.31				1.35	.21		.17			.17									.40	.02			.18					1.05	5.95
Wellsburg (near)	Ohio		.13								T.		.32			.12							2.63	T.			.26					.20	3.66
West Milford	West Fork	.20	.18						.16	.40		.08										.32	.15			.20					.45	2.14
Weston[2]	do		2.34					.25		.04			.12	.17		.08						.18	.33				T.				.12	3.63
Wheeling (Dam 12)[2]	Ohio							T.			.05		.91			T.	.06					.83	.08	.07		.10						2.10
Southern Division																																	
Alderson	Greenbrier		T.						.10	1.10	.67																						
Arbovale	do	*	1.85			T.	.80	T	.04	.80	.03		1.00			T.						T.	1.88	.40			1.45						5.60
Athens	New		.07			.01	.30	.04	.26	.44						.02						.46	.10			T.					.16	5.24
Bluefield	do	.85	.30			.03	.20	*	.25	.59						T.						.14	1.12	T.		.71						3.11
Bluestone Dam	do		.10				.15	.40	.05	.08	.19	T.	.02									*	1.19			.44	.14					3.99
Camden-on-Gauley[2]	Gauley		.96					1.35		.40	.18		.56				.10						1.10	.51			1.36						3.96
Charleston	Gr. Kanawha	.02	.21					1.30		1.46		.01					45							.10							.16	3.81
Charleston (Airport)[4]	do	.29					.20	.02	1.54	1.10		T.				.02							.62								.01	4.08
Clay	Elk																					1.94	.09								.22	.18	5.60
Cranberry Glades	Cranberry	1.89				.10	T.	T.	.24	.10		.02	.08																				
Flat Top[4]	New																					1.73	.22			.05						4.43
Gary[2]	Big Sandy		.17	.03			.08		.66	.55		T.				.18						.21	.04	.25			.75	.24	T.			3.16
Greenbottom†	Ohio	.44	.78						1.19	2.25			.49										.60									5.75
Hinton[2]	New		.89			.10	.45	.26	.15	.66												.64	.34		1.08							4.57
Hogsett[2]	Ohio	.03	.37				.29		.30			T.										.23	.29			.03						1.54
Huntington	do	.32	.32			.21	.02	.70	.14				.13			T.					T.	1.66							T.		.04	3.54
Kayford[2]	Gr. Kanawha		.50				1.00											10													1.20	2.80
Logan[2]	Guyandot	.02	.04				1.11		1.16	T.		.36											.19	.07		.89				.55	.08	4.47
London Locks[2]†	Gr. Kanawha	T.	.73				.33	.05	.30							.03						.02	T.	.46		.22						2.14
Madison[2]	Coal	.03											.72									.03	.22			.09						1.09
Oak Hill[2]	New		.88				.38		.72							.05							.14	.08		.35				.03		2.63
Pineville[2]	Guyandot																																
Point Pleasant[2]	Ohio	T.	.26			T.	1.29		.10			.63										1.79	1.13				T.			.08		5.28
Princeton[2]	New	.08	.08			.01	.51	.05	.77	.18				.10								.55	.47	.99		.35					.05	4.19
Rainelle	Greenbrier	.62				.03		.15	.12	.83	1.69	T.	1.20									.38	.25			.53						5.80
Ravenswood[2]	Ohio		1.25					1.10	.24	.06			T.									.07	.57			.03						3.32

Continued on next page.

Daily Precipitation for July 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	....	.31	....	....	....	....	1.02	....	.41	.07	....	2.46	....	....	....	....	....	....	....	....	.13	.20	....	....	....	....	....	....	....	....	....	4.69
Ripley	Ohio	.07	.55	....	....	....	.30	....	.16	.07	....	....	.05	....	....	....	....	....	....	....	....	1.50	.05	....	....	....	....	....	....	....	....	.62	3.37
Seneca State Forest†	Greenbrier	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.12	.79	.01	....	.04	....	....	....	....	....	.44	3.40
Spencer [2]	Litl.Kanawha	....	.98	....	....	....	....	.10	....	.92	....	....	....	....	....	....	....	....	....	....	....	T.	....	.10	T.	....	....	....	....	....	T.	.16	3.06
Summersville [2]	Gauley	.15	....	....	....	....	....	1.75	T.	.90	....	....	1.36	....	....	....	....	....	....	....	....	....	.08	....	....	.07	....	....	....	....	.05	.32	1.94
Sutton	Elk	.14	.18	....	....	....	....	....	....	....	1.10	....	....	....	....	....	....	....	....	....	....	....	.23	.05	.35	..	....	1.40	....	....	....	....	3.36
Union [2]	New	....	.15	.50	....	....	.05	.10	.15	.28	.10	....	.92	....	....	....	....	....	....	....	.06	.07	.18	....	....	....	.16	....	....	.02	.06	....	3.22
Wayne [2]	Twelvepole	.01	.82	.57	....	....	....	.23	....	.12	....	....	.92	....	....	....	....	....	....	....	....	.05	.02	....	....	.01	....	....	....	....	.06	.07	3.86
Webster Springs	Elk	.15	....	....	....	1.36	.27	T.	.44	T.	....	1.40	....	....	....	.03	....	....	....	....	.04	1.13	.01	T.	.36	....	....	....	....	....	....	....	5.70
White Sulp'r Spgs.	Greenbrier	....	.07	....	....	....	.06	.10	.05	1.08	T.	....	.50	....	T.	....	.04	....	....	....	....	....	.32	.17	....	....	1.87	....	....	....	.29	1.07	5.07
Williamson [2]	Big Sandy	.91	.15	....	....	....	....	.08	....	.19	....	....	.02	....	....	....	....	....	....	....	....	....	.73	.04	....	....	....	....	....	....	....	....	2.69
Winfield Locks [2]†	Gr. Kanawha	.04	1.30	....	..	....	....	.20	....	.27	....	....	.11	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Houlf; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for July 1946

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	82	74	75	74	68	78	81	84	83	85	85	77	78	73	68	71	67	84	86	84	80	78	79	82	76	71	72	75	80	81	78	77.7
	Minimum	54	39	37	40	44	49	61	52	61	51	56	62	48	48	50	43	40	45	47	61	61	55	53	50	62	48	35	37	42	46	56	49.5
Bluefield	Maximum	85	76	77	75	77	75	75	83	81	84	88	87	80	84	88	79	82	87	90	90	86	86	84	86	87	72	74	74	78	83	82	81.8
	Minimum	62	64	56	55	56	65	63	62	65	65	66	67	56	57	65	62	59	60	64	67	65	67	62	59	63	61	60	54	57	59	58	61.3
Brandywine	Maximum	89	88	80	78	77	85	80	87	89	88	90	89	88	92	83	82	84	89	95	94	91	85	86	90	86	81	81	80	86	89	85	86.0
	Minimum	54	60	42	37	39	54	56	54	55	54	57	60	61	52	50	51	40	45	53	56	60	56	57	48	57	52	37	37	41	47	50	50.7
Buckhannon	Maximum	87	77	78	80	76	82	85	89	86	91	91	83	85	88	83	84	87	90	92	90	88	77	87	90	86	85	77	82	86	89	91	86	85.2
	Minimum	62	60	51	47	58	58	65	59	66	60	57	68	55	55	55	54	52	52	57	67	64	63	60	56	65	51	45	47	50	61	60	57.4
Cairo	Maximum	91	82	81	85	86	87	89	89	91	95	94	86	88	90	80	84	89	92	95	90	94	77	87	92	82	82	85	87	89	90	78	87.3
	Minimum	64	55	54	50	54	53	61	62	67	65	66	68	56	56	59	55	54	56	59	68	68	68	60	58	68	63	48	59	58	60	61	59.8
Charleston (Airport)	Maximum	86	81	83	89	88	85	89	86	89	93	95	86	89	90	82	86	92	94	96	92	87	79	88	91	84	81	87	91	89	91	83	87.8
	Minimum	66	57	54	56	61	66	68	66	68	68	70	65	60	63	62	61	61	63	65	70	61	65	64	62	67	54	53	54	60	62	64	62.5
Clarksburg [3]	Maximum	87	80	79	83	78	82	88	91	91	94	93	85	89	90	74	83	90	94	96	91	86	80	89	90	81	77	83	89	90	94	76	86.2
	Minimum	65	59	55	49	55	61	65	62	64	69	60	65	56	56	60	54	53	55	58	61	61	65	63	59	62	54	48	50	52	57	63	58.6
Cranberry Glades	Maximum	78	72	73	72	79	78	79	80	78	81	82	77	79	83	88	73	76	81	85	82	79	67	81	84	78	74	73	73	78	80	75	78.0
	Minimum	55	53	42	41	51	59	68	51	56	49	54	59	51	49	51	49	41	44	48	54	55	53	54	44	52	55	39	40	40	41	44	49.7
Elkins	Maximum	80	75	78	77	73	80	82	87	79	87	89	80	81	85	73	80	83	85	88	83	84	74	82	86	78	75	78	81	83	85	80	81.0
	Minimum	60	52	49	45	58	57	64	60	63	59	60	64	56	55	56	53	50	53	55	65	62	60	61	56	61	48	42	45	47	54	59	55.8
Fairmont [3]	Maximum	88	82	81	85	81	81	90	93	89	97	95	85	89	93	82	86	88	95	97	95	90	79	89	93	84	79	83	87	91	92	74	87.5
	Minimum	64	57	54	50	54	61	66	63	66	65	59	68	57	57	60	52	52	56	58	70	65	61	63	59	67	53	50	51	52	61	63	59.2
Flat Top	Maximum	80	71	74	74	69	75	78	80	75	81	86	77	81	84	79	74	80	83	82	82	69	80	82	69	76	72	69	76	77	79	75	77.6
	Minimum	57	61	57	53	57	61	62	55	61	58	58	65	59	58	62	58	54	49	53	61	64	59	53	53	63	60	55	54	50	52	50	57.2
Gary [3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	60	66	58	53	60	63	65	64	65	65	67	69	61	63	66	65	57	60	62	66	67	64	65	60	63	64	57	52	55	59	55	61.8
Glenville	Maximum	84	83	81	87	86	80	89	91	90	90	93	90	88	92	91	86	91	93	95	96	94	77	89	91	92	83	84	91	93	94	92	88.9
	Minimum	65	60	52	53	58	62	68	65	69	68	69	68	60	61	62	61	57	59	62	68	69	66	64	61	66	54	50	52	55	62	64	61.6
Huntington	Maximum	90	84	83	85	85	82	89	90	89	94	93	88	88	92	89	88	90	93	96	91	83	82	91	93	89	84	86	90	89	91	85	88.5
	Minimum	69	63	60	60	62	70	72	69	70	72	71	70	62	64	66	62	63	65	66	72	65	69	63	63	71	62	57	59	66	63	67	65.6
Logan [3]	Maximum	87	85	88	87	91	87	91	85	87	94	95	88	93	93	88	89	90	93	94	75	97	80	93	97	85	84	87	83	84	91	86	86.6
	Minimum	68	68	62	68	60	66	68	67	69	69	71	70	64	62	66	67	64	66	62	71	72	67	65	65	65	65	56	55	67	63	64	65.5
Madison [3]	Maximum	87	81	83	85	84	89	88	88	87	92	94	85	88	89	83	85	90	92	94	92	89	78	88	92	90	88	85	88	87	91	85	87.6
	Minimum	67	66	56	58	62	66	67	69	69	68	69	69	63	64	67	66	62	64	65	70	68	66	64	63	65	64	54	60	62	65	64.6	
Mannington	Maximum	90	83	82	84	82	81	90	91	89	94	95	86	88	92	88	86	91	94	96	93	88	79	87	91	88	80	86	88	91	91	78	87.8
	Minimum	61	51	49	45	51	58	65	61	66	62	58	68	54	54	58	47	48	52	56	66	64	63	61	58	66	48	46	46	48	57	60	56.4
Martinsburg	Maximum	87	84	82	82	82	86	93	92	85	91	89	89	90	95	76	81	86	90	98	94	90	80	87	90	85	79	79	83	86	87	85	86.5
	Minimum	65	60	57	56	53	65	70	64	64	62	65	70	60	56	56	52	50	54	63	71	67	66	68	64	61	56	49	51	53	58	63	60.3
Morgantown	Maximum	88	79	82	83	84	82	90	91	91	92	94	86	90	93	88	86	91	94	96	88	86	77	89	92	82	79	86	87	90	90	74	87.1
	Minimum	66	54	53	49	56	62	61	64	69	64	62	68	58	57	63	53	52	53	62	72	66	65	65	62	67	53	51	53	55	64	63	60.1
New Martinsville	Maximum	91	83	85	85	86	77	92	94	94	96	96	86	90	94	74	90	93	95	98	93	87	76	90	92	86	81	85	90	92	93	89	88.8
	Minimum	67	55	55	53	55	63	67	65	67	68	65	67	59	60	64	53	57	60	63	72	68	66	62	61	67	52	53	52	55	64	63	60.9
Parkersburg	Maximum	85	80	80	83	84	74	89	90	91	95	94	84	86	90	74	85	89	92	95	88	83	80	87	91	81	78	83	88	91	91	74	85.6
	Minimum	71	61	57	60	62	63	66	65	70	71	71	69	62	60	66	58	61	62	66	71	68	66	62	64	64	56	58	58	61	65	66	63.9
Petersburg	Maximum	89	82	80	80	75	85	88	92	88	91	90	88	86	93	75	80	85	91	95	90	76	88	92	84	79	80	83	88	89	83	85.8	
	Minimum	62	56	50	48	52	59	65	62	65	61	64	64	57	55	56	54	49	54	59	71	65	63	64	58	67	52	46	47	51	56	65	58.0
Pickens	Maximum	79	74	78	72	75	78	79	85	76	86	86	85	80	82	82	77	82	84	85	86	79	74	80	83	77	77	79	79	84	84	79	80.2
	Minimum	61	54	45	46	53	60	58	53	54	56	57	57	57	55	55	52	52	51	57	56	62	59	57	57	68	53	53	59	50	56	67	55.8
Point Pleasant	Maximum	89	82	83	84	86	82	89	89	88	92	94	91	86	88	84	84	87	91	95	92	86	84	88	91	91	91	86	87	88	89	86	87.8
	Minimum	70	62	57	60	61	70	67	67	70	70	71	69	60	62	65	58	60	64	65	71	69	69	63	62	65	57	56	58	60	65	67	64.2
Rainelle	Maximum	87	87	88	80	80	86	85	85	83	86	89	83	86	86	84	83	82	87	89	87	86	72	83	88	84	78	78	78	83	86	78	83.8
	Minimum	58	61	48	47	60	63	62	59	63	59	60	63	56	56	58	57	49	51	55	59	58	59	59	54	55	58	53	46	48	53	51	56.1
Spencer [3]	Maximum	82	79	79	81	80	78	85	88	90	90	85	90	85	88	78	87	88	89	92	87	84	75	83	87	82	78	82	85	88	88	75	84.1
	Minimum	67	59	51	54	59	65	66	62	65	60	69	58	58	59	59	57	62	60	71	67	65	64	59	59	57	50	52	56	59	64	60.4	
Summersville [3]	Maximum	83	77	80	83	82	82	83	85	82	86	89	81	92	85	80	83	84	87	90	86	86	74	84	88	78	78	81	82	87	88	82	83.5
	Minimum	56	60	40	43	54	56	63	56	64	57	57	65	56	53	57	56	47	51	53	53	51	59	56	51	56	56	45	42	45	52	54	53.7
Sutton	Maximum	94	86	84	85	85	86	88	93	93	95	95	94	91	92	92	87	90	93	96	96	94	87	92	94	94	91	86	87	92	95	95	91.0
	Minimum	65	63	51	53	57	60	65	62	61	64	63	66	60	58	60	61	56	57	60	65	64	62	61	58	61	58	48	51	54	61	63	59.6
Wardensville [3]	Maximum	90	97	82	82	82	85	88	99	83	91	93	89	87	93	87	87	71	84	92	95	97	90	79	86	88	82	78	78	82	86	89	84	86.7
	Minimum	60	66	48	48	45	62	66	62	66	59	60	66	55	53	55	49	43	50	57	60	66	64	65	56	58	57	45	45	48	53	62	56.4
Weston	Maximum	90	82	83	85	78	85	89	94	90	96	95	88	90	90	75	89	90	93	96	91	89	79	90	93	86	83	88	90	94	95	77	88.2
	Minimum	67	60	55	50	58	63	68	64	70	65	62	70	61	60	60	58	57	58	60	70	69	66	67	60	68	55	49	51	55	63	65	61.4
Wheeling [3]	Maximum	85	80	81	84	88	80	91	94	95	95	95	82	86	90	77	84	89	92	92	87	79	79	87	90	79	78	84	87	90	91	73	85.9
	Minimum	68	54	54	54	56	62	66	66	68	68	63	67	58	58	61	52	56	57	63	70	68	68	61	62	67	51	51	54	59	60	64	60.8
White Sulphur Sp'gs.	Maximum	87	82	80	80	75	83	85	87	82	88	90	88	86	92	90	80	85	88	92	92	94	73	89	89	89	76	78	79	84	86	80	84.8
	Minimum	60	65	52	42	61	64	66	64	66	69	64	61	59	61	60	60	51	54	59	62	63	62	64	57	60	65	50	50	50	55	53	59.0
Williamson [3]	Maximum	85	84	86	87	86	84	92	91	89	93	95	89	90	93	89	89	93	94	96	95	92	80	90	94	87	84	85	89	85	91	87	89.2
	Minimum	68	70	60	59	63	67	69	69	69	70	72	71	65	66	70	68	64	66	66	69	70	66	66	66	66	66	66	56	57	61	65	65	66.0

Daily Evaporation (inches) and Wind Movement (miles) for July 1946

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.227	.176	.259	.228	.179	.101	.078	.217	.108	.139	.242	.100	.115	.339	.259	.047	.212	.166	.242	.226	.102	.132	.189	.193	.227	.181	.225	.135	.206	.157	.207	5.614
	Wind movement	16	58	65	70	48	27	29	47	15	29	31	24	65	33	62	23	47	14	32	36	69	42	21	36	54	52	71	50	29	36	35	1266
Wardensville	Evaporation	.137	.190	.221	.253	.257	.171	.235	.172	.262	.063	.222	.233	.201	.265	.285	.061	.229	.226	.242	.251	.175	.130	.026	.071	.341	.101	.238	.101	.....	.187	.102	5.836
	Wind movement	17	21	11	23	24	17	14	10	18	9	10	14	17	11	20	18	10	11	10	16	14	12	17	9	5	18	18	16	12	11	11	444

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—11-1-46—925)

NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

NOV 15 1946
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIV AUGUST 1946 No. 8

GENERAL SUMMARY

The past month was the second coldest August of record; the mean temperature of 67.4° exceeded only the 67.1° recorded in 1927. Temperature departures were uniformly negative throughout the State with no station showing a plus departure. The lowest temperature of 30° recorded at Canaan Valley on the 27th equalled the previous low records of 30° in 1930 and 1942. The nights were cool, especially during the last week of the month. On the 27th frost killed some buckwheat in Canaan Valley, Tucker County.

Precipitation was very deficient. It was the 11th driest August of record. Although the showers were fairly well distributed, the latter part of the month showed a strong tendency towards drought. No floods were reported; the rivers and streams gradually ran lower and lower as the month progressed.

Cool dry weather during the month was detrimental to the corn crop. Only the eastern part of the State received sufficient moisture to make corn grow well. The bulk of the large peach crop was harvested during the month. Apples sized well in the northeastern panhandle division, where most of the commercial orchards are located, owing to adequate rainfall. The cool weather caused all varieties of apples to develop an unusually good color. Grimes Golden and Jonathan were being picked in the northeast, while both red and yellow Delicious were being picked at the lower elevations in the south and along the Ohio River at the close of the month. By the end of the month, threshing of barley, wheat and oats had been completed, with the reported yields being mostly satisfactory. Oats made a record crop. Commercial potatoes were dug with very good yields secured. A much above average crop of tobacco was being housed during the month. Pastures in the eastern part of the State held up well, while those in the western part averaged rather poor because of so many dry areas. Some farmers had to turn cattle on to dry feed during the latter part of the month. Small streams and springs became low in the western part of the State necessitating some hauling of water for livestock. Rain was much needed in most parts of the State at the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 37 stations, was 67.4°, or 4.3° below the normal. The mean for the northeastern panhandle division was 66.5°; for the northern division, 69.8°; and for the southern division, 67.6°. The highest monthly mean was 73.8° at Glenville and the lowest, 59.9° at Cranberry Glades. The highest temperature was 98° at Great Cacapon on the 6th and the lowest, 30° at Canaan Valley on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 106 stations, was 2.75 inches, or 1.33 inches below the normal. In the northeastern panhandle division, the average was 3.25 inches; in the northern division, 2.64 inches; and in the southern division, 2.63 inches. The greatest monthly precipitation was 7.66 inches at Kearneysville, and the least, 0.84 inch at Brandywine. The greatest amount in any 24 consecutive hours was 3.00 inches at Martinsburg on the 23-24th. The average number of days with 0.01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	7	13	2	3	2	1	5	17	2	..	..	6	5	14	3	2	3	2	5	8	10	7	5	8	5	17	..	..	..	..	..
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	..	2	5	3	..	..	..	..	2	..	..	..	1	..	1	..	..	..	1	..	1	..	..	..
Hail	1	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	14	7	1	2	1	16	1	..	5	1	..	..	..	..	1	4	4	1	1	..	..	12	2	..	..	3	1	2	3	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.25	23	29.71	9	5.0	22	nw.	10	93	52	65	58	6
Columbus, Ohio	30.27	14	29.73	9	7.4	37	sw.	9	88	52	62	69	23
Elkins	30.32	14	29.80	10	4.9	28	nw.	6	100	47	82	41	85
Huntington Airp't.	30.29	14	29.80	9	.....	18	sw.	9	94	53	77	....	20
Parkersburg	30.31	14	29.75	9	5.1	14	nw.	11	87	51	61	56	17
Petersburg, W. Va.	30.34	15	29.75	10	.....	21	nw.	6	90	52	71	....	26
Pittsburgh, Pa	30.29	14	29.73	10	7.7	26	sw.	10	86	55	63	38	33

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	69.8	..	..	3.48	6.10	4.73	5.48	0.0	7	..	..	..
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	..	..	..	..
1893	70.8	98	41	3.43	3.17	3.84	3.38	.0	..	..	..	..
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	**6**
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	11	11	11	9
1941	71.2	102	32	4.63	5.59	3.69	4.80	.0	9	17	9	5
1942	71.1	100	**30**	7.44	7.24	7.08	7.22	.0	14	9	12	10
1943	72.3	105	38	2.26	5.15	3.13	3.95	.0	9	16	9	6
1944	72.2	105	32	2.01	3.14	3.09	2.96	.0	10	14	10	7
1945	71.0	98	31	3.77	4.30	2.77	3.72	.0	7	16	9	6
1946	67.4	98	**30**	3.25	2.64	2.63	2.75	.0	7	12	11	8
Period	71.7	112	30	3.81	4.20	4.11	4.08	.0	10	14	10	7

Climatological Data for August 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	60.2	−5 6	85	17	33	27†	1.85	−2.53	0.98	6	0	6	11	11	9	w.	Howard R. Fulk
Berkley Springs	Morgan	640	2	68.6	.....	98	6	44	26	3.55	.....	2.21	6	0	6	14	13	4	e.	Hammond Shriver
Brandywiue	Pendletou	1,586	30	64.2	−5.7	90	5†	32	27	0.84	−2 74	0.27	16	0	5		.....	...	sw.	E. L. Keister
Harpers Ferry	Jeffersou	400	57	...	.....	.....	.....	...	.....	5.31	+1.32	1.68	2	0	10	...	...	...	...	Miss Eleanor White
Iuwood	Berkeley	569	13	70.4	.....	91	5	45	25	5.60	.....	2 05	6	0	7	7	20	4	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	69.0	−5.3	90	5	45	26	7 66	+3.91	2.75	2	0	8	11	11	9	e.	University Exper. Station
Martinsburg	Berkeley	545	54	68.8	−4.2	89	5	46	31	6.38	+2.32	3.00	2	0	9	15	8	8	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	66.3	−5.0	90	9	35	28	1.59	−1.40	0.95	6	0	4	8	10	13	w.	R. E. Saville
Petersburg	Grant	1,029	7	68.3	.....	91	5	42	27	1.89	.....	0 83	2	0	7	2	17	12	se.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	68.4	−2.1	90	5	44	27†	3.22	−0.37	1.61	1	0	9	5	16	10	w.	C. A. Suter, Jr.
Stouy River Dam	Grant	3,300	14	...	...	.....	.....	...	.....	1.49	−3 09	0.80	6	0	7	...	...	...	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	28	66.8	−2.7	88	5†	40	27	3.76	+0.13	1.84	2	0	7	22	7	2	nw.	Reymann Memorial Farm
Means and Extremes	.....	.....	....	**66.5**	.....	**98**	**6**	**32**	**27**	**3.25**	.....	**3 00**	**2**	**0**	**7**	**11**	**12**	**8**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	...	.....	.....	.....	.....	.....	2.02	−2 46	0.91	16	0	7	6	18	7	w.	L. Esle Bond
Beuson	Harrison	1,080	21	67.0	−3.7	90	5†	39	31	1.63	−2.82	0.90	16	0	7	12	15	4	.....	R. D. Marts
Bens Run	Pleasants	652	45	70.1	−3.5	94	5	41	24	2.45	−1.79	0.86	6	0	6	22	5	4	.....	Mrs C. W. Rea
Brandonville	Preston	1,798	5	62.4	.....	87	5	39	28	2.16	...	0.57	16	0	7	...	...	...	...	James I. Galloway
Brownsville	Lewis	1,032	22	68 2	−4.0	91	5	41	28	2.31	−1 96	1.38	16	0	4	13	14	4	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	55	66.8	−3.1	91	5	41	27	2.39	−1.70	0.99	16	0	10	12	14	5	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	40	68.8	−3.7	91	5	42	26	4.30	+0.43	1.62	22	0	6	18	5	8	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	2	61.0	.....	85	9	30	27	2.17	.....	0.82	6	0	10	0	24	7	w.	George B. Thompson
Clarksburg	Harrison	1, 015	23	67 0	−5.0	93	5	44	31	2.74	−1.74	1.10	22	0	6	15	8	8	w.	Clarksburg Water Board
Creston	Wirt	640	45	69.1	−4.0	91	5	44	26	3.60	−0.26	0.90	6	0	8	11	13	7	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	67.9	....	91	5	46	31	3.57	−0.49	0.79	22	0	12	16	5	10	s.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	2.17	−1.20	1.00	6	0	9	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	3.20	−0.93	1.08	22	0	10	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	... ..	.....	.....	.....	.....	.....	3.17	−0.49	0.93	6	0	10	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	... ..	.....	.....	.....	.....	.....	2.68	−1.11	1.13	16	0	11	.....	.....	.....	.....	Lockmaster
Elizabeth(Dam 3 L. K)	Wirt	615	36	.....	..	.....	.....	.....	.....	4.03	+0.03	1.20	16	0	8	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2, 006	47	64.4	−3.9	86	5	40	28	2.11	−1 75	1.01	16	0	8	2	18	11	nw.	U. S. Weather Bureau
Fairmont	Marion	1, 023	54	68.7	−4.0	94	5	44	31	1.39	−2.61	0.57	16	0	5	4	18	9	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	73.8	−0.1	93	4	41	30	2.83	−1.40	1.61	17	0	7	12	14	5	w.	Howard R. Brauuon
Harrison County Airport	Harrison	1,188	6	66.2	.....	90	5	43	27	2.86	....	1.01	22	0	5	6	9	16	w.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	3.24	−1.89	1.20	1	0	9	8	16	7	w.	L. G. McIntyre
Mannington, 1½ mi. NW.	Marion	974	44	66.8	−3.4	92	5	41	26†	3.48	−0.60	0.91	22	0	15	12	8	11	w.	James A. Morgan
Middlebourne, 2½ mi. SE.	Tyler	750	5	68.6	.....	94	5	42	26	2 51	.....	0 65	7	0	8	16	5	10	sw.	L. A. Crumrine
Morgantown, 2 miles N.	Monongalia	1,250	70	67.5	−4.5	88	5	44	31	2 45	−1.56	1.01	22	0	8	12	13	6	.....	State Dairy Farm
New Cumberland	Hancock	671	51	68.4	−2.4	93	5	46	31	2.51	−0.88	0.95	3	0	7	12	14	5	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	69.8	−3.9	93	5	46	31	2.06	−1.83	0.81	6	0	5	16	11	4	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	69.6	−4.3	91	5	49	30	3 73	+0 22	1 38	6	0	9	7	14	10	se.	Section Center
Parsons	Tucker	1,649	47	66.7	−2.7	89	5	43	27†	1 37	−2.68	0.54	16	0	10	3	17	11	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	...	.....	.....	...	.....	2.27	1.97	0.62	16	0	8	.....	.....	.....	..	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	63.1	−3.4	84	4	37	31	4 29	−1.18	1.90	5	0	9	13	8	10	w.	Dr. J. L. Cunningham
Rowlesburg	Preston	1,375	61	67.4	.....	91	5	44	31	1.72	−2.81	0.46	22	0	7	.....	.....	.....	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	2 44	−1.65	1.00	6	0	6	.....	.....	.....	. ..	Edward Hughes
Thomas	Tucker	2,950	17	... ..	.....	.....	.....	.....	.....	1.59	−3 50	1.00	6	0	5	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	69.6	−2 9	94	5	44	28†	2.96	−1.20	1.28	6	0	8	11	13	7	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	66.6	−3.7	92	5	40	24	2.31	−1.25	1.01	6	0	5	18	6	7	.....	George P. Pfister
West Milford‡	Harrison	979	20	.....	.....	.....	.....	.....	.....	2.39	−1.23	1.05	6	0	5	....	...	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	70.2	−2.5	95	5	45	28	2.54	−1 16	0.94	16	0	9	.....	...	...		J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	68.4	−4.4	91	5	47	31	2.02	−1.53	0.91	6	0	7	15	5	11	sw.	Lockmaster
Means and Extremes	.....	.....	....	**69.8**	.....	**94**	**5**	**30**	**27**	**2 64**	.....	**1.90**	**5**	**0**	**8**	**11**	**12**	**8**	w.	
Southern Division																				
Alderson	Monroe	1,570	2	71.2	..	92	18†	46	27	1.50	....	1.20	30	0	2	.....	.....	.....	.. .	John E. Foster
Arbovale	Pocahontas	2,727	23	..	.....	.....	.....	.....	.....	1.20	−3.11	0.80	16	0	5	14	9	8	w.	H. S. Sutton
Athens	Mercer	2,600	6	63.8	.....	85	5	34	24	1.62	.....	0.46	4	0	8	12	14	5	nw.	Concord College
Bluefield	Mercer	2,558	51	66.4	−4.1	86	5	42	31	1.58	−2.03	0.71	29	0	9	17	2	12	.....	Norlolk & Westeru Ry.
Bluestone Dam	Summers	1,407	4	68.8	.....	96	3	46	27†	1.25	....	0.77	29	0	5	7	21	3	.....	Willard F. Russell
Camden-on-Gauley	Webster	2,029	28	.....	.....	.....	.....	.....	.....	2.94	−2 53	1.24	17	0	6	.....	.....	.....	.....	W. F. Compton
Charleston	Kanawha	615	59	71.0	−4.3	94	5	49	26	3.84	−0 63	1.48	17	0	8	.....	.....	.....	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	69.8	.....	93	5	44	30	4.19	.....	1.30	16	0	8	9	11	11	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	59.9	.....	88	4	32	27	1.87	.....	0.51	16	0	8	.....	.....	.....	e.	Department of Justice
Flat Top	Mercer	3,235	8	62.2	...	81	5	35	31	2 81	.....	1.05	29	0	10	7	14	10	nw.	U. S. Airway Station
Gary	McDowell	1, 426	29	67.9	−4.1	88	5	44	27†	3.00	−1.11	0.83	18	0	10	.....	.....	.....	....	U. S. Coal & Coke Co.
Greenbottom	Cabell	530	7	69.9	.....	93	5	43	30	2.86	.....	1 25	16	0	5	8	13	10	w.	State Forest Nursery
Hamlin	Lincoln	642	3	67.1	...	90	5	39	30	2.88	....	1.20	7	0	6	15	7	9	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	.....	.....	.....	.....	.....	.....	1.45	−2.71	0.45	7	0	5	.....	.	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	72.3	−2.5	95	5	46	30	2.91	−0.79	0.98	17	0	7	11	13	7	ne.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	2.43	−2.40	0.60	7	0	6	.....	.....	.....	.....	Truax-Traer Coal Co.
Logan	Logan	700	33	71.6	−3.4	93	5	49	31	2.38	−2 11	1.24	6	0	9	22	2	7	.....	J. W. Ruff
London Locks	Kanawha	623	11	70.6	.....	91	5†	50	31	2.64	.....	1.25	17	0	7	.....	.....	.....	se.	Lockmaster
Madison	Boone	675	25	69.6	−4.8	92	5	48	27	3.42	−0.40	1.40	16	0	8	21	3	7	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	0	.....	.....	.....	.....	.....	M H. Martin
Pineville	Wyoming	1,350	4	70.8	.....	88	1	51	14	1.50	....	1.50	16	0	1	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	56	71.0	−3.7	91	4†	47	30	3 67	+0.46	1 43	16	0	7	21	4	6	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	15	63.9	−4.4	87	5	36	31	1.68	−4.10	0.36	18	0	10	15	4	12	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	67.2	−5.7	86	4†	42	30	3.27	−0.08	1.07	16	0	8	19	3	9	ne.	Lockmaster
Richwood	Nicholas	2,193	15	64 4	−6.0	87	6	36	31	2.29	−2 87	0 78	16	0	5	21	4	6	....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	68.6	....	93	5	43	26†	3.20	....	1.38	16	0	7	.....	.....	.....	.....	Richard Church
Spencer	Roane	789	47	67.0	−5.3	90	5	42	30	2.02	−1.95	0.68	16	0	7	14	14	3	. ..	A. M. McKown
Summersville	Nicholas	1,900	10	63.2	.....	88	5	33	31	3.57	.....	1.20	15	0	7	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	43	70.1	−3 0	96	5†	43	31	3.12	−1.13	1.72	6	0	7	21	6	1	.....	C. B. Eakle
Union	Monroe	2,200	42	65.6	−4.6	88	5	36	31	2.42	−1.51	0.77	6†	0	7	18	3	10	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	14	67.2	.....	89	5	42	31	2.45	.....	1.20	16	0	7	18	4	9	se.	Roscoe Gregory
Williamson	Mingo	673	45	72.1	−2.7	92	5	50	31	2.46	−1.53	0.97	28	0	9	14	6	11	nw.	Norlolk & Western Ry.
Winfield Locks	Putnam	571	8	69.9	.....	92	5	45	30	5.13	.....	1.60	15	0	8	.....	.....	.....	w.	Lockmaster
Means and Extremes	.....	.....	....	**67.6**	.....	**96**	**3†**	**32**	**27**	**2 63**	.....	**2.09§**	**16§**	**0**	**7**	**14**	**9**	**8**	w.	
State Averages and	Extremes	.....	..	**67.4**	**−4.3**	**98**	**6**	**30**	**27**	**2.75**	**−1.33**	**3.00**	**2**	**0**	**7**	**12**	**11**	**8**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated. § At Hogsett Dam 26 O. R.

Daily Precipitation for August 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.34	.05	...	...	...	.98	T.	..	..	....	....	....	....	....	T.	.25	....	.19	T.	.....	.....	T.	.04	....	....	...	....	....	T.	T.	...	1.85
Brandywine	.... do	..	.26	...	...	....	.22	....	....	....	....	....	....	T.	.....	....	.27	T.	.04	....	.....	.....	.....	...	....	.05	....	....	....	....	T.	....	0.84
Brushy Run[2]	.... do	....	.18	.45	...	....	....	.62	....	....	....	....	....	....	....	....	.11	.15	....	T.	.....	.....	.....	...	....	....	....	....	....	....	....	....	1.93
Great Capacon	Morgan	....	.02	...	...	...	2.21	.04	....	....	....	....	....	....	....	....	.11	....	.04	....	.....	.....	1.13	....	....	....	.19	.20	....	....	....	....	3.55
Harpers Ferry [2]	Potomac	.51	1.68	.02	...	...	....	1.00	....	....	....	....	....	....	....	....	....	....	....	....	.....	.....	....	1.00	....	....	....	.02	....	....	.40	....	5.31
Inwood	.... do	.60	1.63	...	...	...	2.05	....	....	....	....	....	....	....	....	....	.10	.57	.01	....	.....	.....	....	....	....	....	....	....	....	....	....	....	5.60
Kearneysville	.... do	.90	2.75	.06	...	...	2.36	....	....	....	....	....	....	....	....	....	.25	....	T	....	.....	.....	.10	.42	T.	....	....	T.	..	.55	....	....	7.66
Knobly Mountain[2]†	.... do	.21	.65	.06	...	...	....	1.07	....	....	....	....	....	....	....	....	.25	.11	....	T.	.....	.....	.13	.29	...	....	....	....	....	.87	....	....	7.50
Martinsburg [4]	.... do	.69	3.00	...	...	...	1.80	T.	....	....	....	....	....	....	....	....	.18	.05	.14	T.	.....	.....	....	T.	....	....	....	.14	....	....	T.	....	2.50
McNeill †	.... do	T.	.25	T.	...	....	.95	....	....	....	....	....	....	....	....	....	.20	T.	.03	.02	.....	.....	.50	....	....	....	.01	....	....	.13	....	....	6.38
Petersburg	.... do	.01	.83	....	T.	..	.61	T.	....	....	....	....	....	....	....	....	.20	....	.19	....	.....	.....	T.	....	....	....	T.	....	....	....	....	....	1.59
Piedmont	.... do	.10	1.51	....	....	....	....	.85	....	....	....	....	....	....	....	T.	.24	....	.04	....	.....	.....	T.	T.	....	T.	.14	....	....	.02	....	....	1.89
Springfield	.... do	.29	2.06	....	....	....	....	.40	....	....	....	....	....	....	.01	....	.48	.04	.14	....	.....	.....	.07	T.	....	....	.02	....	....	....	....	....	3.22
Spruce Knob [2]†	.... do	....	.42	..	....	T.	....	.87	.42	....	....	....	....	....	....	....	.21	.03	.20	.02	.....	.....	....	....	....	....	....	....	....	....	....	....	3.21
Stony River Dam [2] †	.... do	.14	....	....	.08	....	.80	....	....	....	....	....	....	....	....	....	.17	1.10	T.	....	.....	.....	....	T.	....	....	.27	....	....	....	T	....	3.25
Wardensville [2]	.... do	.90	1.39	.45	...	....	....	.72	....	....	....	....	....	....	....	....	.16	.16	.10	....	.....	.....	....	....	....	....	....	....	....	....	.05	....	1.49
Northern Division																	.12	.08	T.	T.	....	.....	....	.10	....	....	....	....	....	....	....	....	3.76
Aberdeen†	West Fork	T.	.03	....	T.	....	.75	T.	....	....	....	....	....	T.	....	T.	.91	.12	.16	....	.....	.....	.....	.02	....	....	....	....	....	.03	....	....	2.02
Bellington [2]	Tygart	....	.29	....	.02	....	T.	.55	.01	....	....	....	....	....	T.	....	.39	.51	.14	.06	.....	.....	.....	.04	....	....	....	....	....	....	....	....	2.01
Benson †	West Fork	.05	....	....	....	....	.34	....	....	....	....	....	....	....	....	.02	.90	.06	.06	....	.....	.....	.....	.20	....	....	....	....	....	....	....	....	1.63
Bens Run	Ohio	.05	....	....	....	....	.86	....	....	....	....	....	....	....	....	.20	.84	.02	....	....	.....	.....	.....	....	....	....	....	....	....	....	....	....	2.45
Big Skin Creek†	West Fork	....	....	....	.08	T.	.63	....	....	....	....	....	....	....	....	.04	1.38	.05	.14	.01	.....	.....	.....	....	....	....	....	....	....	.48	....	....	2.33
Brandonville [2]	Cheat	.12	....	....	....	....	....	.47	....	....	....	....	....	....	.18	....	.57	.22	.13	T.	.....	.....	.47	....	....	....	....	....	....	....	T.	....	2.16
Brownsville [2]	West Fork	....	....	....	....	....	.75	....	....	....	....	....	....	....	....	....	1.38	.10	.08	....	.....	.....	.....	....	....	....	....	....	....	....	....	....	2.31
Buckhannon	Tygart	T.	.03	....	.14	....	.81	.03	....	....	....	....	....	T.	....	.03	.99	.07	.12	.01	.....	.....	T.	.16	....	....	....	....	....	....	....	....	2.39
Canaan Valley	Litl.Kanawha	....	....	....	....	.18	.95	....	....	....	....	....	....	....	....	.20	1.20	.15	....	....	.....	.....	.....	1.62	....	....	....	....	....	....	....	....	4.30
Clarksburg [2]	Cheat	....	.02	....	....	....	.82	.05	....	....	....	....	....	....	....	....	.67	.02	.26	....	.....	.....	....	....	....	.21	.04	....	.04	.04	....	....	2.17
Crawford	West Fork	.30	....	....	....	....	....	.46	....	....	....	....	....	....	....	....	.73	.12	.03	....	.....	.....	....	1.10	....	....	....	....	....	....	....	....	2.74
Creston [2]	.... do	....	....	....	.34	....	.85	....	....	....	....	....	....	T.	....	.07	.98	.10	.04	....	.....	.....	....	.13	....	....	....	....	....	T.	....	....	2.51
Dailey [2] †	Litl.Kanawha	.20	.19	....	....	.03	....	.90	....	....	....	....	....	T.	....	....	.84	.66	.73	T.	.....	.....	....	.05	....	....	....	....	....	....	T.	....	3.60
Dam 10, Mon. R. [2] †	Tygart	....	.18	....	....	....	.40	.01	....	....	....	....	....	....	....	....	.03	.58	.04	....	.....	.....	....	T.	....	....	....	....	....	....	T.	....	1.24
Dam 13, O. R. [2] †	Monongahela	1.41	.07	.01	....	T.	....	.27	.07	....	....	....	....	....	.17	....	.36	.19	.04	.02	.....	.....	....	.79	....	....	....	....	....	....	.17	....	3.57
Dam 15, Mon. R. [2] †	Ohio	.21	....	.02	....	.01	....	1.00	....	.29	....	....	....	....	....	....	.05	.30	.04	....	.....	.....	....	.25	....	....	....	....	....	....	....	....	2.17
Dam 19, O. R. [2] †	Monongahela	.92	.05	.03	....	....	....	.31	.05	....	....	....	....	....	....	....	.47	.23	.03	....	.....	.....	....	1.08	....	....	....	....	....	....	.03	....	3.20
Dam 20, O. R. [2] †	Ohio	.38	.12	....	....	.09	....	.93	....	....	....	....	....	....	T	....	.87	.16	.11	.06	.....	.....	....	.10	....	....	....	....	....	....	.35	....	3.17
Elizabeth (Dam 3) [2]	.... do	.07	.12	....	....	.06	T.	.63	....	....	....	....	....	....	....	.11	1.13	.09	.14	.16	.....	.....	....	.11	....	....	....	....	....	....	.06	....	2.68
Elk †	Litl.Kanawha	.10	.45	....	....	....	....	.75	....	....	....	....	....	....	....	....	1.20	.85	.18	.05	.....	.....	....	.45	....	....	....	....	....	....	....	....	4.03
Elkins [1] †	West Fork	....	....	.68	....	....	.49	....	....	....	....	....	....	....	....	....	....	....	.16	....	.....	.....	.12	....	.09	....	....	....	....	....	....	....	§§
Fairmont [2]	Tygart	.20	T.	....	T.	T	.73	T.	....	....	T.	....	....	T.	....	.03	.99	.01	.03	T.	.....	.....	.03	T.	....	T.	....	....	T.	.09	T.	....	2.11
Glenville [2]	Monongahela	T.	....	....	....	....	.34	.04	....	....	....	....	....	T.	....	T.	.57	T.	....	....	.....	.....	.24	.20	....	....	....	....	....	T.	....	....	1.39
Hackers Creek †	Litl.Kanawha	.11	....	....	....	.14	....	.48	....	....	....	....	....	....	....	.23	....	1.61	.14	....	.....	.....	....	....	....	....	....	....	....	.12	....	....	2.83
Hall [2]	West Fork	.20	....	....	....	....	1.28	....	....	....	....	....	....	....	....	....	.89	....	....	.10	.....	.....	.13	.02	....	....	....	....	....	....	....	....	2.62
Harrison Co. Arpt. [4]	Tygart	....	.14	....	....	....	....	.68	.03	....	....	....	....	....	....	....	.71	.43	.14	T.	.....	.....	....	.07	....	....	....	....	....	....	....	....	2.20
Hastings	West Fork	....	....	....	....	....	.92	.01	....	....	....	....	....	....	....	T.	.90	.02	....	T.	.....	.....	1.01	....	....	....	....	....	....	T.	....	....	2.86
	Ohio	.02	1.20	.25	....	.01	.53	....	....	....	....	....	....	....	....	.55	.08	....	....	....	.....	.....	....	....	....	....	....	....	....	.48	....	....	3.24
Horner	West Fork	.12	.08	....	....	....	1.53	....	....	....	....	....	....	....	....	....	1.20	....	....	....	.....	.....	....	.40	....	....	....	....	....	....	....	....	3.33
Ireland	.... do	....	.26	....	....	....	.80	.98	....	....	.10	....	....	T.	....	....	.48	....	....	....	.....	.....	....	.08	....	....	....	....	....	....	T.	....	1.54
Jane Lew	.... do	....	.07	.01	....	....	.69	T.	....	....	....	....	....	T.	....	....	1.21	.05	.13	....	.....	.....	....	14	....	....	....	....	....	T.	....	....	2.69
Knmbrabow St. For. †	[2] Tygart	....	.07	.01	....	....	.69	09	.03	....	....	....	....	T.	....	....	1.58	.72	.10	....	.....	.....	....	T.	....	....	....	....	....	....	.24	.03	3.56
Mannington	Monongahela	.27	.43	.09	....	....	.76	.04	....	.01	....	....	....	....	....	.01	.69	.05	.02	.02	.....	.....	.90	.01	....	....	....	....	....	.17	.01	....	3.48
Middlebourne [2]	Middle Is.Creek	.10	.24	.04	....	....	.65	....	....	....	....	....	....	....	....	....	.59	.47	....	....	.....	.....	....	.10	....	....	....	....	....	....	.32	....	2.51
Midvale [2] †	Tygart	....	.71	T.	....	....	.76	.04	....	....	....	....	....	.01	....	....	.30	.84	.14	.06	.....	.....	1.01	....	....	....	....	....	....	....	....	....	2.96
Morgantown	Monongahela	.25	....	....	T.	....	.26	.08	....	....	....	....	....	....	T.	....	.58	.05	.08	....	.....	.....	....	....	....	....	....	....	....	.14	....	....	2.45
Mt. Clare	West Fork	....	.05	....	....	....	1.26	....	....	....	....	....	....	....	....	....	1.15	....	....	....	.....	.....	.58	....	....	....	....	....	....	.07	....	....	3.11
New Cumberland	Ohio	.05	.04	.95	....	T.	.49	....	....	....	....	....	....	....	....	T.	.47	.47	....	....	.....	.....	....	....	....	....	....	....	....	....	....	....	2.51
New Martinsville	.... do	.12	T.	.56	....	....	.81	T.	....	....	....	....	....	T.	....	.10	.47	....	T.	....	.....	.....	T.	....	....	....	....	....	....	T	....	....	2.06
Parkersburg [1] ‡	.... do	.64	....	....	.02	....	1.38	....	T.	....	....	....	....	T.	....	.30	.62	.08	....	.02	.....	.....	.39	....	....	....	....	....	.28	....	....	3.73
Parsons	Cheat	.01	.08	....	....	.02	.43	.05	....	....	....	....	....	....	....	....	.54	.02	.16	.05	.....	.....	T.	.01	....	T.	....	....	T.	....	....	....	1.37
Philippi [2]	Tygart	T.	T.	....	.36	T.	....	.52	.02	....	....	T.	....	....	....	....	.62	.30	.24	T.	.....	.....	....	.18	....	....	....	....	....	....	.03	....	2.27
Pickens	.... do	....	....	....	....	1.90	.08	....	....	T.	....	....	.02	....	.08	1.65	.03	.40	....	....	.....	.....	....	.05	....	....	....	....	.08	....	....	4.29
Roanoke	West Fork	....	....	....	....	....	.72	.02	....	....	....	....	....	....	....	1.47	.09	.11	....	....	.....	.....	....	....	....	....	....	....	....	....	....	....	2.42
Rockford †	.... do	....	.05	....	.14	....	....	.35	T.	....	....	....	....	....	....	....	.93	T.	....	....	.....	.....	.30	.03	....	....	....	....	T.	....	....	....	2.19
Rowlesburg [2]	Cheat	T.	.15	T.	T	....	....	....	....	....	....	....	....	....	....	....	.28	.14	.20	T.	.....	.....	....	.46	....	....	....	....	....	....	.14	....	1.72
Saint Marys [2]	Ohio	.33	.06	....	....	....	....	1.00	....	....	....	....	....	....	....	.70	.08	T	....	....	.....	.....	....	....	....	....	....	....	.27	....	....	....	2.44
Salem	West Fork	.01	.44	....	....	....	.48	.01	....	....	....	....	....	....	....	T.	.76	T.	....	....	.....	.....	.40	.30	....	....	....	....	....	....	....	....	2.40
Shinnston	.... do	.05	T.	....	....	....	.40	....	....	....	....	....	....	....	....	....	....	....	....	....	.....	.....	.98	.53	....	....	....	....	....	....	....	....	§§
Thomas [2]	Cheat	....	....	....	....	....	....	1.00	....	....	....	....	....	....	....	....	.10	.41	.05	T.	.....	.....	....	....	....	....	....	....	....	....	....	....	1.59
Valley Chapel	West Fork	.01	.10	....	....	....	1.28	....	....	....	....	....	....	T.	....	....	1.19	.05	.20	....	.....	.....	....	.12	....	....	....	....	....	.01	....	....	2.96
Valley Head [2]	Tygart	....	.08	....	....	....	.07	.14	T.	....	....	....	....	....	....	....	.10	1.27	.12	....	.....	.....	....	....	....	....	....	....	....	.08	....	....	1.86
Vandalia †	West Fork	....	.02	....	.35	....	.90	....	....	....	....	....	....	....	....	....	1.26	.10	....	....	.....	.....	....	....	....	....	....	....	....	....	....	....	2.63
Wellsburg (near)	Ohio	....	T.	....	....	....	1.01	....	....	....	....	....	....	....	....	....	.33	....	.73	....	.....	.....	.06	....	....	....	....	....	.18	....	....	....	2.31
West Milford	West Fork	....	.04	T.	....	....	1.05	....	....	....	....	....	....	....	....	....	.89	.05	....	....	.....	.....	.36	....	....	....	....	....	....	....	....	....	2.39
Weston [2]	.... do	.09	....	....	....	....	....	.49	....	.06	....	....	....	T.	....	....	.46	.94	.12	.08	.....	.....	....	14	....	....	....	....	....	.16	....	....	2.54
Wheeling (Dam 12) [2]	Ohio	.28	....	....	....	T.	T.	.91	....	.15	....	....	....	....	....	....	.13	.10	.13	....	.....	.....	....	.32	....	....	....	....	....	T.	....	....	2.02
Southern Division																																	
Alderson	Greenbrier	....	....	....	....	....	....	.30	....	....	....	....	....	....	T.	....	....	....	....	....	.....	.....	....	....	....	T.	....	....	T.	1.20	....	....	1.50
Arbovale	.... do	....	....	....	....	....	....	.14	....	....	....	....	T.	T.	....	....	.80	T.	T.	....	.....	.....	....	....	.07	....	....	.10	.09	....	....	....	1.20
Athens	New	....	....	T.	.46	....	.07	....	.40	....	....	....	....	....	....	....	.07	.11	.08	....	.....	.....	....	....	....	....	....	.01	.42	....	....	....	1.62
Bluefield	.... do	....	....	.05	....	....	.12	T.	....	.13	....	....	....	....	....	....	.15	.07	....	.32	.....	.....	....	....	....	....	....	.21	.50	.03	....	....	1.58
Bluestone Dam	.... do	....	....	....	....	....	....	.31	....	.15	....	....	....	....	....	T.	....	T.	....	....	.....	.....	....	.02	....	....	....	....	.34	.43	....	....	1.25
Camden-on-Gauley [2]	Gauley	....	....	....	....	....	.12	.32	....	....	....	....	....	....	....	....	.55	.56	1.24	....	.....	.....	....	....	....	....	....	....	.15	....	....	....	2.94
Charleston	Gr. Kanawha	.06	.07	....	....	....	....	.98	....	.02	....	....	T.	T.	....	....	1.14	.07	1.48	T.	.....	.....	....	.02	....	....	....	....	....	....	....	....	3.84
Charleston (Airport) [4]	.... do	.25	....	....	....	....	.77	....	1.02	....	.01	....	.25	1.05	.82	T.	T.	....	....	.02	.....	.....	....	....	....	T.	....	....	....	....	....	....	4.19
Clay	Elk	....	....	....	.23	....	....	....	....	.03	.90	....	....	....	....	....	.46	....	....	....	.13	.....	....	....	....	....	.06	.29	....	....	....	....	2.10
Cranberry Glades	Cranberry	....	....	....	....	.15	....	....	....	....	....	....	....	....	.31	.51	.11	.20	....	....	.....	.....	....	....	.12	....	....	.21	.26	....	....	....	1.87
Flat Top [3]	New	T.	....	....	.03	.01	.83	....	....	T.	.72	....	....	.03	.02	.05	.07	....	....	....	.....	.....	....	....	....	....	....	.27	.78	....	....	....	2.81
Gary [2]	Big Sandy	.30	.15	T.	....	....	.04	.61	....	.31	....	....	....	....	....	.01	.09	.83	....	....	.....	.....	....	....	....	....	....	....	.32	.34	....	....	3.00
Greenbottom †	Ohio	....	....	....	....	....	....	.55	....	....	....	....	....	....	.35	1.25	.56	....	....	....	.....	.....	.15	....	....	....	....	....	....	....	....	....	2.86
Hinton [2]	New	....	....	....	....	....	....	.45	....	.16	....	....	....	....	....	....	....	....	....	....	.....	.....	....	....	....	....	....	.20	.22	.42	....	....	1.45
Hogsett [2]	Ohio	....	.08	....	....	T.	....	.47	....	....	....	....	....	....	....	2.09	.43	1.27	....	....	.....	.....	....	.45	....	....	....	....	....	....	....	....	4.79
Huntington	.... do	....	....	....	....	.06	.36	....	....	T.	....	.02	....	.75	.51	.98	....	....	....	....	.....	.....	T.	.23	....	....	....	T.	T.	....	....	....	2.91
Kayford [2]	Gr. Kanawha	....	....	....	....	....	....	.60	....	.42	....	....	....	....	.40	.25	.26	....	....	....	.....	.....	....	....	....	....	....	....	.50	....	....	....	2.43
Logan [2]	Guyandot	.02	.04	....	T.	.02	1.22	....	....	.30	....	....	....	....	.36	.06	.32	T.	T.	....	.....	.....	....	....	....	....	....	....	.04	T.	....	....	2.38
London Locks [2] †	Gr. Kanawha	....	....	....	....	....	.07	.57	....	.09	....	....	....	....	....	.84	.41	.58	....	.08	.....	.....	....	....	....	....	....	....	....	....	....	....	2.64
Madison [2]	Coal	.24	....	.17	....	....	.01	1.00	....	.22	....	....	....	....	....	1.40	.34	.04	....	....	.....	.....	....	....	....	....	....	....	....	....	....	....	3.42
Oak Hill [2]	New	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	1.50	.66	.93	....	.....	.....	....	.12	....	....	....	....	....	T.	....	....	3.67
Pineville [2]	Guyandot	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.25	.24	....	....	.....	.....	....	....	....	....	....	.26	.52	....	....	....	1.43
Point Pleasant [2]	Ohio	.06	.07	....	....	T.	....	....	....	....	....	....	....	....	.03	.24	.14	.36	....	....	.....	.....	....	T.	....	....	....	.25	.25	....	....	....	1.68
Princeton [2]	New	....	....	.04	.01	....	.05	....	.06	....	....	....	....	....	....	1.07	.69	.57	.05	....	.....	.....	....	.05	....	....	....	....	....	....	....	....	3.27
Rainelle	Greenbrier	....	....	....	....	.05	.13	.08	....	.15	....	....	....	....	....	....	....	....	....	....	.....	.....	....	....	....	....	....	....	....	....	....	....	....
Ravenswood [2]	Ohio	.06	.05	....	....	T.	....	.73	....	....	....	....	....	....	....	....	....	....	....	....	.....	.....	....	....	....	....	....	....	....	....	....	....	....

Continued on next page.

Daily Precipitation for August 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley							.33									.78	.72		.32										.14			2.29
Ripley	Ohio	.30					.59								.01		.25	1.38	.50					.17									3.20
Seneca State Forest†	Greenbrier																																
Spencer [2]	Litl.Kanawha		.03				.58					T.			.03		.68	.36	.29					.05					.20			2.02
Summersville [2]	Gauley		.07			.05	.25	.45								1.20	1.10	.30												.11			3.57
Sutton	Elk						1.72									.05	.91	.18	.10					.05						.18	.64		3.12
Union [2]	New					.05	.39	.77									.02	.42												.13	.64		2.42
Wayne [2]	Twelvepole					.12	.91	T.									.84		.43														1.65
Webster Springs	Elk							.25			.03						1.20	.09	.05	.02										.06			2.45
White Sulp'r Spgs.	Greenbrier						.20					T.					.08	.09	T.						.30	.01			.02	.30	.02		1.02
Williamson [2]	Big Sandy	.08					.05	.39			.39						.15	.20											.35	62	.23		2.46
Winfield Locks [2]†	Gr. Kanawha	.67	.66					.92							.02		1.60	.22	.99					.05									5.13

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for August 1946

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	74	70	78	80	82	78	67	77	81	77	70	67	70	72	78	70	85	77	77	72	73	75	66	69	67	68	64	75	73	72	65	73.2
	Minimum	53	55	50	51	57	55	59	45	51	60	54	48	43	44	39	59	64	63	56	47	44	41	41	36	37	34	33	33	33	33	41	47.2
Bluefield	Maximum	79	78	78	*81*	86	84	72	81	85	84	77	78	69	80	77	81	76	*82*	81	80	76	80	80	73	72	74	26	66	67	60	61	76.6
	Minimum	59	54	58	*60*	59	63	62	54	58	62	*60*	50	48	46	68	69	66	*68*	61	54	54	54	56	48	*46*	57	45	52	62	48	42	56.2
Brandywine	Maximum	85	84	86	89	90	87	83	84	87	86	80	79	65	80	78	70	88	83	90	83	85	86	84	82	81	78	80	84	78	74	72	82.0
	Minimum	54	48	49	52	54	55	57	45	52	60	45	38	38	35	40	44	55	56	48	43	45	41	45	46	47	40	32	38	53	42	38	46.3
Buckhannon	Maximum	80	80	87	89	91	87	74	85	88	86	77	75	70	81	80	75	84	79	82	79	81	81	75	76	73	76	79	84	79	69	75	79.9
	Minimum	60	56	54	58	64	62	63	52	61	63	*56*	48	47	44	50	65	67	67	56	53	49	49	54	45	48	44	41	42	57	48	44	53.8
Cairo	Maximum	79	83	84	87	91	87	81	88	84	78	81	76	84	82	78	77	78	85	83	83	83	78	86	80	79	78	82	84	75	71	76	81.3
	Minimum	60	54	56	60	63	63	61	56	56	66	62	58	53	50	58	66	66	65	61	53	55	65	50	60	45	42	44	44	55	45	56	56.4
Charleston (Airport)	Maximum	84	87	86	90	93	76	81	89	91	85	79	77	69	87	79	82	85	85	84	82	83	83	75	80	78	79	83	84	75	71	76	81.9
	Minimum	64	58	57	63	64	63	64	60	64	68	57	51	53	55	59	66	66	69	64	54	57	56	55	51	50	49	50	52	56	44	47	57.6
Clarksburg [3]	Maximum	76	79	88	91	93	77	78	86	89	79	76	77	72	84	82	75	83	80	83	78	82	82	74	78	71	75	81	84	73	69	75	79.7
	Minimum	61	56	60	60	66	61	62	56	52	66	61	48	49	49	50	53	65	68	60	52	51	53	51	47	49	48	46	45	45	45	44	54.2
Cranberry Glades	Maximum	73	74	57	88	83	77	68	80	82	77	72	76	67	75	68	72	79	80	78	87	77	77	70	71	65	70	75	78	68	60	64	73.8
	Minimum	50	48	37	48	57	55	53	45	50	58	50	37	36	35	43	59	63	60	51	43	43	39	46	36	43	40	32	33	46	37	52	46.0
Elkins	Maximum	75	75	83	84	86	80	68	81	85	79	73	69	70	78	77	74	83	74	81	74	77	79	69	73	70	72	75	80	76	65	70	76.0
	Minimum	57	52	49	57	62	61	56	55	60	66	57	49	47	46	48	63	67	61	61	52	52	47	47	45	47	46	42	40	58	46	42	52.7
Fairmont [3]	Maximum	80	77	89	90	94	82	76	90	88	87	82	81	75	83	85	73	82	78	89	82	84	84	78	78	76	78	81	85	76	75	78	81.8
	Minimum	61	59	60	58	65	61	63	56	63	69	59	49	49	48	50	61	68	66	60	52	53	53	51	49	51	48	48	45	58	47	44	55.6
Flat Top	Maximum	74	74	73	77	81	78	68	77	80	74	70	65	65	76	68	76	78	74	77	72	73	79	68	69	67	68	74	77	63	60	63	72.2
	Minimum	57	55	51	57	63	56	58	50	56	60	56	46	41	44	58	60	64	64	60	46	54	48	52	47	55	49	43	42	51	44	35	52.3
Gary [3]	Maximum	81	82	81	83	88	84	78	85	87	81	78	74	66	84	78	85	85	83	83	80	80	85	77	79	78	76	82	85	70	66	71	79.8
	Minimum	58	56	58	61	61	64	66	57	58	61	60	53	48	52	54	63	66	68	62	55	55	54	55	48	50	54	44	47	51	52	44	56.0
Huntington	Maximum	85	87	89	90	95	80	87	89	91	89	82	81	74	86	78	83	82	88	88	83	84	90	84	81	80	80	84	86	78	73	79	84.1
	Minimum	66	60	62	67	68	68	63	63	66	70	61	52	58	56	64	69	67	69	71	61	58	58	56	53	53	50	53	53	63	46	50	60.5
Logan [3]	Maximum	86	88	85	91	93	84	84	88	92	86	85	78	70	87	76	83	85	86	86	84	85	87	80	83	80	81	85	85	81	74	79	83.8
	Minimum	66	60	62	65	70	67	65	62	65	65	62	55	53	54	60	65	65	69	66	58	58	56	59	52	58	51	50	51	55	52	49	59.5
Madison [3]	Maximum	84	86	84	85	92	82	82	87	82	84	79	77	69	85	78	82	85	85	85	81	82	85	77	80	80	78	83	84	78	70	76	81.5
	Minimum	63	58	59	65	58	64	65	61	62	64	60	53	52	55	60	65	66	69	65	57	56	55	57	50	49	50	48	49	56	49	49	57.7
Mannington	Maximum	78	76	88	90	92	82	81	87	89	86	77	78	75	83	84	73	82	80	84	80	82	80	76	77	76	78	82	84	74	71	77	80.7
	Minimum	61	56	60	58	62	58	62	56	60	65	56	47	47	48	46	65	67	65	58	49	50	50	47	45	44	41	42	41	51	45	42	53.0
Martinsburg	Maximum	78	73	85	87	89	78	71	87	86	87	78	78	76	80	81	73	87	73	87	82	81	83	74	75	73	76	78	84	82	68	73	79.5
	Minimum	63	61	58	61	64	66	61	61	61	69	62	60	55	55	54	66	66	68	62	58	57	55	56	50	53	47	47	48	61	49	46	58.1
Middlebourne	Maximum	80	84	90	91	94	71	85	90	90	86	83	80	75	85	84	76	83	84	85	82	85	83	79	80	79	83	84	79	67	72	79	82.2
	Minimum	61	60	59	61	63	60	63	59	63	70	*56*	49	52	52	57	53	58	68	63	55	53	55	47	45	45	42	44	45	55	44	45	54.9
Morgantown	Maximum	74	74	85	85	88	86	76	85	86	83	79	75	73	80	84	72	80	77	81	78	79	76	72	73	71	74	78	81	79	66	70	78.1
	Minimum	60	59	61	64	69	62	60	58	62	71	58	52	50	54	60	67	70	67	61	54	55	55	50	46	50	46	46	49	56	48	44	56.9
New Martinsville	Maximum	77	81	89	90	93	85	82	89	88	83	79	80	76	84	83	74	80	82	87	81	84	80	77	79	78	80	85	86	79	70	79	81.9
	Minimum	60	60	62	63	63	63	62	60	63	72	57	50	54	53	52	68	71	68	63	56	55	57	52	50	50	49	49	48	67	47	46	57.7
Parkersburg	Maximum	80	85	86	88	91	71	82	86	89	83	76	75	71	81	82	76	84	86	81	80	83	80	74	77	75	77	82	84	69	68	77	80.0
	Minimum	63	59	62	66	67	64	63	60	68	67	57	54	57	50	59	68	70	68	67	59	57	60	55	54	50	51	50	51	53	49	50	59.1
Petersburg	Maximum	82	74	86	89	91	82	71	85	89	87	78	78	75	81	82	76	88	79	90	84	84	87	78	80	67	78	80	87	83	71	76	81.2
	Minimum	62	60	59	59	64	65	59	56	64	66	55	50	53	46	48	65	65	65	61	54	56	50	50	47	51	50	42	43	60	44	48	55.4
Pickens	Maximum	74	80	82	84	80	66	78	82	76	72	69	69	65	72	77	78	79	74	78	73	75	77	77	71	69	71	73	76	78	78	77	75.2
	Minimum	52	50	50	60	59	51	50	47	60	58	53	47	46	41	51	51	63	60	54	50	49	57	54	43	45	53	42	45	58	45	37	51.0
Point Pleasant	Maximum	86	86	86	91	91	89	82	90	90	91	80	78	73	85	83	78	83	85	83	83	83	84	75	79	76	76	83	85	82	70	79	82.7
	Minimum	64	60	60	61	67	69	62	62	68	70	59	52	59	54	59	68	67	68	68	57	57	60	54	52	52	51	52	52	53	47	51	59.2
Rainelle	Maximum	78	80	77	85	87	82	74	83	86	82	75	73	67	81	72	73	82	79	82	77	79	81	78	76	71	74	78	80	73	66	77	77.7
	Minimum	55	48	45	56	55	57	59	51	52	60	54	44	41	43	48	58	60	65	58	47	49	45	53	41	49	51	38	38	54	43	36	50.1
Richwood	Maximum	84	85	84	85	86	87	71	74	78	83	80	78	78	80	81	76	78	80	80	78	80	76	72	74	75	76	73	76	79	80	76	78.8
	Minimum	53	54	55	54	56	56	56	48	48	54	56	42	40	43	46	54	59	62	64	64	60	62	54	40	40	42	37	38	41	40	36	50.1
Spencer [3]	Maximum	80	81	88	86	90	75	80	85	84	81	76	77	67	82	79	77	82	82	82	77	80	81	75	76	76	77	79	83	82	69	75	79.5
	Minimum	58	57	55	57	65	64	60	55	58	59	60	47	51	50	60	65	67	67	63	52	53	53	52	47	48	43	44	45	44	42	45	54.4
Summersville [3]	Maximum	77	80	84	85	88	80	74	82	86	79	70	72	66	82	77	76	80	77	81	76	76	80	72	76	74	73	77	80	75	68	70	77.2
	Minimum	54	52	46	45	55	57	60	52	57	62	55	43	41	42	44	60	64	64	57	49	46	43	51	41	45	49	37	38	55	31	33	49.3
Sutton	Maximum	86	86	90	93	96	96	88	89	92	92	87	85	76	85	85	77	90	90	88	88	85	85	83	80	80	80	82	84	84	80	76	85.7
	Minimum	62	57	53	59	60	62	65	55	60	65	60	48	49	48	51	60	62	60	61	53	53	51	56	48	49	48	45	45	56	47	43	54.5
Wardensville [3]	Maximum	78	73	84	87	88	84	73	84	88	86	86	77	76	78	81	75	88	88	88	79	79	82	73	75	70	76	77	87	80	68	75	80.1
	Minimum	64	59	56	55	60	63	61	52	60	65	49	49	50	45	49	65	61	59	59	51	54	50	56	45	54	45	40	42	55	43	44	53.5
Weston	Maximum	81	80	90	94	95	91	79	89	90	85	79	80	72	87	80	78	86	82	85	80	83	87	78	80	78	80	83	85	80	78	79	83.0
	Minimum	62	60	54	61	66	*65*	59	62	71	60	51	51	49	57	66	68	67	64	54	58	54	55	48	50	49	47	45	62	52	49	57.5
Wheeling [3]	Maximum	80	80	88	88	91	71	83	90	86	82	77	77	77	82	84	75	81	85	82	82	81	77	75	75	75	78	82	82	65	70	75	79.9
	Minimum	65	59	62	62	64	65	64	60	61	64	58	53	54	53	53	56	69	67	66	56	55	55	50	50	50	50	50	49	51	49	47	57.0
Williamson [3]	Maximum	85	85	85	90	92	82	84	90	90	86	83	82	83	84	86	87	86	86	87	84	85	88	81	83	81	81	84	84	79	72	77	84.3
	Minimum	67	61	62	64	67	66	67	63	64	65	63	55	55	57	55	66	69	70	67	58	58	57	61	53	55	53	51	51	53	54	50	59.9

Daily Evaporation (inches) and Wind Movement (miles) for August 1946

Clarksburg	Evaporation	.075	.063	.143	.211	.160	.216	.036	.080	.020	.186	.328	.203	.114	.060	.172	.065	.009	.066	.071	.081	.250	.045	.289	.124	.136	.118	.136	.108	.108	.104	.110	3.887
	Wind movement	32	42	44	38	40	43	57	11	21	96	80	70	21	23	28	34	25	38	40	66	45	24	32	38	40	52	41	20	48	56	38	1283
Wardensville	Evaporation	....	....	....	.174	.199	.195	.136	.050	.197	.203	.201	.195	.189	.081	.233	.156	.140	.045	.045	.247	.135	.179	.149	....	....	....	....	.174	.196	.127	.142	4.893
	Wind movement	12	17	14	18	10	6	18	6	14	19	15	85	10	5	13	39	4	13	13	25	12	10	9	20	9	10	15	20	19	35	12	477

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—11-13-46—925)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIV SEPTEMBER 1946 No. 9

GENERAL SUMMARY

September weather was close to average. The mean temperature, 65.5°, was 0.8° below normal. Below freezing temperatures occurred on the 1st, 14th, 15th and 16th at stations on the higher elevations. The cold periods were 4-5th and 14-17th; the warm periods were 6-9th and 22-23d. Above normal temperatures were recorded in the counties contiguous to the Ohio River and also in Gilmer, Lewis and Upshur Counties in the northern division, and at one place in Mineral County.

It was a relatively dry month. Except for a few widely scattered places, precipitation averaged below normal. Showers in helpful amounts fell at most places during the period of 9-10th, 20-24th and 29-30th. It was so dry in the southern half of the State that a forest fire hazard developed. A wind storm did damage to the extent of $7,000 to ten airplanes at Lewis Airport near Buckhannon on the afternoon of the 10th. No floods were reported.

During the water year just ended, from October 1, 1945 to September 30, 1946, inclusive, the precipitation averaged 91 percent of normal, while the growing season months, March to September inclusive, averaged 88 percent of normal. May and June were extremely wet, while the period July through September was very dry.

September was an excellent harvest month. Practically all crops, excepting apples and corn, were harvested by the close of the month. Apples sized unusually well in the commercial orchards and, by the last week in the month, late fall and early winter varieties were being picked. A very heavy yield of apples made for a rather slow movement to market and the processors. Much early planted corn was shocked in the latter part of the month. Some wheat was sown but in most cases farmers were waiting for additional moisture before planting. Late home gardens gave rather poor yields. Pastures were helped somewhat by the rains of the 20-24th; however, many cattle were on dry feed and streams and wells were very low at the close.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 65.5°, or 0.8° below the normal. The mean for the northeastern panhandle division was 63.3°; for the northern division, 65.7°; and for the southern division, 66.1°. The highest monthly mean was 71.8° at Glenville and the lowest, 56.7° at Bayard. The highest temperature was 100° at Charleston on the 9th and the lowest, 23° at Canaan Valley on the 15th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 100 stations, was 2.27 inches, or 0.69 inch below the normal. In the northeastern panhandle division, the average was 2.09 inches; in the northern division, 2.50 inches; and in the southern division, 2.10 inches. The greatest monthly precipitation was 4.55 inches at Kermit, and the least, 0.55 inch at White Sulphur Springs. The greatest amount in any 24 consecutive hours was 2.65 inches at St. Marys on the 29-30th. The average number of days with 0.01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	.	7	2	4	5	7	3	..	1	5	19	4	11	12	9	10	11	15	4	6	8	1	3	20	20	11	2	4	..	..
Frosts killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	3	1	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	..	1	6	1	1	1	1	1	1	..	1	1	..	..	..	..	..	..	..	1	..	..	..	..
Hail	..	..	..	..	..	..	..	1	1	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	6	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..
Thunderstorms	..	1	..	..	..	..	..	..	16	26	9	2	2	..	..	..	..	..	..	1	1	..	..	1	..	..	2	1	15	4	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.29	18	29.82	10	4.7	23	w.	10	93	47	76	61	14
Columbus, Ohio	30.29	18	29.80	10	7.3	29	sw.	10	85	48	64	78	35
Elkins	30.39	5	29.88	10	4.5	27	nw.	10	97	47	72	61	124
Huntington Airp't.	30.31	18	29.28	21	.....	17	w.	10	95	46	76	....	13
Parkersburg	30.31	18	29.85	10	4.7	26	nw.	30	83	43	63	66	21
Petersburg, W. Va.	30.42	5	29.85	10	.....	26	nw.	30	93	40	60	....	64
Pittsburgh, Pa	30.32	18	29.79	10	8.3	31	w.	10	83	47	62	68	32

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	66.8	..	..	0.38	2.20	0.84	1.66	0.0	..	..	..	..
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	..	..	..
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	..	..	..
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	**107**	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.1	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	**71.1**	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	**.95**	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	**16**	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	**17**	7	6
1918	**60.5**	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	**5**
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	**4**	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	**3.31**	.0	7	16	8	6
1924	60.7	100	26	**4.63**	6.04	6.36	5.96	.0	12	11	**7**	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	**10**	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	**66.5**	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	21	3.15	3.31	2.18	2.88	.0	5	17	8	5
1941	67.8	99	26	1.03	2.35	2.58	2.22	.0	7	18	9	3
1942	65.1	98	**15**	2.99	4.59	3.64	3.97	.0	11	12	10	8
1943	62.5	100	26	0.79	1.32	1.37	1.25	T.	6	16	8	6
1944	65.0	96	26	4.46	4.89	3.16	4.19	.0	11	11	9	10
1945	68.4	98	34	7.57	8.49	4.94	**7.18**	.0	13	10	11	9
1946	65.5	100	23	2.09	2.50	2.10	2.27	.0	7	16	9	5
Period	66.3	107	15	2.83	3.16	2.76	2.96	T.	8	15	8	7

Climatological Data for September 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observer
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	56.7	−4 2	85	9	27	15†	3.18	−0.13	1.20	29	0	8	16	3	11	w.	Howard R. Fulk
Berkley Springs	Morgan	640	2	66.2	.....	98	10	36	4†	2.27	..	0.94	21	0	7	19	8	3	w.	Hammond Shriver
Brandywine	Pendleton	1,586	30	61.4	−3.3	97	9	26	15†	1.51	−0.87	0.65	29	0	5	..	.....	.....	n.	E. L. Keister
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	4.42	+1.76	2.10	21	0	7	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	66.0	.....	96	9	34	15	3.84	.....	1.53	21	0	7	13	14	3	e.	H. W. Prettyman
Kearneysville	Jefferson	548	16	65.8	−1.7	93	8	35	15	3.20	−0.13	2.15	21	0	5	13	8	9	e.	University Exper. Station
Martinsburg	Berkeley	545	54	65 6	−1.3	93	9	35	15	3.52	+0.60	1.84	21	0	8	18	10	2	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	62.5	−3.8	98	9	27	15	1.38	−0 90	0.69	29	0	7	14	9	7	w.	R. E. Saville
Petersburg	Grant	1,029	7	65.2	.....	97	9	33	15	0.82	.....	0.33	21	0	7	10	11	9	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	65.9	+0 2	96	9	37	15	1.76	−0.65	0.46	24	0	6	17	8	5	e.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	1.17	−1.61	0.34	21	0	6	13	6	11	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	63.4	−0.8	95	9	30	15	1.32	−1.27	0.44	30	0	5	.....	.....	.....	.....	Reymann Memorial Farm
Means and Extremes	.....	.....	.....	**63.3**	.....	**98**	**9†**	**26**	**15†**	**2.09**	.....	**2.15**	**21**	**0**	**6**	**15**	**9**	**6**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	3.07	−0.26	0.81	24	0	7	15	13	2	.....	
Benson	Harrison	1,080	21	66 0	−0.9	95	8	36	4	3.07	−0.24	0 90	11	0	7	10	19	1	....	L. Esle Bond
Bens Run	Pleasants	652	45	69.0	+0.6	96	8	46	4	1.98	−0.61	1.06	29	0	6	23	4	3	.....	R. D. Marts
Brandonville	Preston	1,798	5	63.0	.....	89	7†	37	15	2.81	.....	0.85	10	0	7	....	.....	.....	.....	Mrs. C. W. Rea
Brownsville‡	Lewis	1,032	22	65.9	−1.7	94	9	38	4†	2.83	−0.92	0.83	24	0	6	17	10	3	s.	James I. Galloway
Buckhannon	Upshur	1,459	55	64.9	+0.4	92	8	36	15	3.02	+0.06	1.10	24	0	8	16	10	4	w.	M. D. Hawkins
Cairo, 3 miles S	Ritchie	680	40	66.7	−1.4	93	8†	39	16	2.43	−0.37	1.20	29	0	5	17	8	5	.....	Arthur B. Gould
Canaan Valley	Tucker	3,250	2	57 3	.....	85	9	23	15	1.33	.....	0.30	24	0	8	5	22	3	e.	Eureka Pipe Line Co
Clarksburg	Harrison	1,015	23	64.7	−2.8	93	8	39	4	2.18	−1.42	0.73	20	0	6	21	4	5	se.	George B. Thompson
Creston	Wirt	640	45	65.6	−2.2	93	7†	36	27	2.22	−0.47	1.23	10	0	7	12	11	7	.....	Clarksburg Water Board
Dam 10 Mon. R	Monongalia	826	24	66.6	.....	93	9	42	15†	3.44	−0.08	1.30	24	0	7	22	3	5	e.	J. L. Ledsome
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	1.99	−0 99	1.30	10	0	6	....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	2.76	−0.43	0.92	24	0	7	....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.. ..	.....	.....	.....	.....	.....	1.70	−0.96	0.72	13	0	7	....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	1.52	−0.07	0 70	11	0	7	....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	2.17	−0 42	1.00	30	0	7	....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	47	61.8	−0.1	88	8	35	17	3.00	−0.15	1.17	9	0	8	11	9	10	se.	Lockmaster
Fairmont	Marion	1,023	54	66 9	−0.5	96	9	42	1†	2 37	−0.58	0.86	10	0	7	20	6	4	ne.	U. S. Weather Bureau
Glenville	Gilmer	738	58	71.8	+3.3	96	8†	44	16	2.75	−0.47	0.65	20	0	7	15	13	2	w.	Monongahela Power Co
Harrison County Airport	Harrison	1,188	6	64.5	.....	91	8	36	15	3.23	.....	1.02	20	0	8	13	11	6	ne.	Howard R. Brannon
Hastings	Wetzel	809	11	.....	.....	....	.....	..	.....	1.62	−1 38	0.54	30	0	6	11	15	4	w.	U. S Airway Station
Jane Lew‡	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	3.30	+0.06	0.99	24	0	7	....	.....	.....	.....	L. G. McIntyre
Mannington, 1½ mi. NW	Marion	974	44	65.6	+0.7	93	7†	36	15	2.13	−1.26	0 65	10	0	10	15	11	4	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	5	66.8	.....	97	8	39	15†	2.19	.....	1.29	30	0	5	18	5	7	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,250	70	68.2	+0.7	94	9	41	15	3.50	+0.63	1.15	10	0	7	15	12	3	.....	State Dairy Farm
New Cumberland	Hancock	671	51	67.0	+1.5	94	7†	43	4†	1.33	−1.58	0.29	9	0	8	15	9	6	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	68.8	+0.3	95	8	43	4	1.83	−1.20	0.74	10	0	5	21	7	2	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	68.0	+0.7	92	8	45	16	1.00	−1.76	0.39	9	0	7	10	12	8	se.	Section Center
Parsons	Tucker	1,649	47	62.6	−1.1	91	8†	36	16†	2.34	−0.81	0.81	10	0	9	15	8	7	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	3.30	0.00	1.16	24	0	7	....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	62.1	+0.3	88	9	38	4	3.44	−0.66	1.21	9	0	8	22	4	4	w.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	3.04	−0.36	0.80	24	0	7	20	5	5	.....	W. H. Bolyard
Rowlesburg	Preston	1,375	61	65.5	.....	95	9	40	16†	3.01	−0.47	0.83	9	0	7	.....	.....	.....	nw.	Edward Hughes
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	3.34	+0.64	2.65	30	0	7	.....	.....	.....	.....	W. Sleeman
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	2.52	−1.48	1.30	30	0	7	.....	.....	.....	.....	Roscoe H. Jackson
Valley Chapel	Lewis	1,011	22	68.2	+0.2	95	8†	40	4†	3.26	−0.06	0.93	24	0	7	13	13	4	w.	George P. Pfister
Wellsburg, 3 miles NE	Brooke	668	53	65.0	+0.1	96	8	36	4†	2.66	−0.33	1.64	29	0	8	18	5	7	....	Scotland G. Highland
West Milford‡	Harrison	979	20	.....	.....	.....	.....	.....	.....	2.93	−0.34	0.90	25	0	7	.....	.....	..	.	J. Arthur Henry
Weston	Lewis	1,026	55	68.5	+1.2	96	9	42	4	3.80	+1.17	1.47	10	0	7	....	.....	.....	.....	Lockmaster
Wheeling (Dam 12)	Ohio	659	62	67.0	−0.4	95	8	44	15	1.78	−1.14	0 78	10	0	5	18	3	9	sw.	
Means and Extremes	.....	.....	.....	**65.7**	.....	**97**	**8**	**23**	**15**	**2.50**	.....	**2.65**	**30**	**0**	**7**	**16**	**9**	**5**	w.	
Southern Division																				John E. Foster
Alderson	Monroe	1,570	2	69.8	.....	93	9†	42	17	0.98	.....	0.55	21	0	3	13	15	2	.....	H. S. Sutton
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	0.99	−1.54	0.30	30	0	6	17	9	4	w.	Concord College
Athens	Mercer	2,600	6	63.8	.....	88	9	40	3	1.15	.....	0.45	20	0	7	15	10	5	w.	Norfolk & Western Ry.
Bluefield	Mercer	2,558	51	64.8	−1.4	89	8	44	2	1.78	−0.54	0.67	20	0	8	14	9	7	.....	Willard F. Russell
Bluestone Dam	Summers	1,407	4	65.0	.....	91	9	41	17†	0.89	.....	0.31	9	0	8	10	15	5	.....	W. F. Compton
Charleston	Kanawha	615	59	70.0	−0.9	100	9	41	16	2.78	−0.20	1.06	10	0	7	.....	.....	.....	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	67.9	.....	93	8	41	31	3.04	.....	1.29	30	0	7	13	13	4	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	.....	.....	80	7	31	1†	1.32	.....	0.45	24	0	7	7	16	7	ne.	Department of Justice
Flat Top	Mercer	3,235	8	61.4	...	84	9	37	1	2.02	....	0.73	9	0	7	8	7	15	nw.	U. S. Airway Station
Gary	McDowell	1,426	29	66.2	−2.3	90	8†	43	17	1.65	−1.34	0.65	11	0	8	....	....	....	....	U.S. Coal & Coke Co.
Greenbottom	Cabell	580	7	68.6	.....	94	8	46	4†	1.53	.....	0.92	10	0	6	11	14	5	n.	State Forest Nursery
Hamlin	Lincoln	642	8	65.1	....	92	8†	37	4	2.48	....	0.98	10	0	8	19	7	4	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	71.0	+3.0	96	8†	48	17	1.40	−1.29	0.66	9	0	6	19	8	3	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	70.1	+1.1	95	8	48	30	1.49	−0.96	1.03	10	0	8	11	14	5	ne.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	2.95	−0.43	1.20	24	0	5	.....	.....	.....	.....	Truax-Traer Coal Co.
Logan	Logan	700	33	68.9	−1.5	94	8	48	16	2.78	−0.37	0.67	10	0	7	19	5	6	.....	J. W. Ruff
London Locks	Kanawha	623	11	68.2	.....	93	8†	47	4†	3.28	.....	1.11	20	0	8	.....	.....	.....	se.	Lockmaster
Madison	Boone	675	25	67.1	−0.6	92	8	44	4†	2.30	−1.16	0.98	24	0	6	19	5	6	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	.....	...	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	M. H. Martin
Pineville	Wyoming	1,350	4	68.6	.....	90	9	46	27	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	56	69.6	+3.7	94	8	46	31	1.51	−0.90	0.60	13	0	6	16	7	7	e.	E. C. Winger
Rainelle	Greenbrier	2,424	15	61.8	−1.1	87	9	34	16	1.33	−1.79	0.45	20	0	7	19	4	7	..	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	65.9	−3.5	92	8	42	16	1.83	−0.47	0.62	10	0	7	16	4	10	nw.	Lockmaster
Richwood	Nicholas	2,193	15	61.6	−3.1	87	8†	34	1	1 85	−1.26	0.58	30	0	6	20	4	6	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	66.3	.....	93	8	40	16	1.91	.....	1.05	10	0	5	....	.....	.....	.....	Richard Church
Spencer	Roane	789	47	65.4	−1.1	92	8	41	17	2.26	−0.62	0.78	11	0	7	19	7	4	.....	A. M. McKown
Summersville	Nicholas	1,900	10	60.8	.....	89	9	34	1	2.71	.....	1.05	10	0	6	12	15	3	.....	A. E. Dorsey
Sutton	Braxton	850	43	68.3	−0.4	95	8†	41	4†	4.13	+0.78	2.02	24	0	7	....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	42	63.8	−2.3	93	9	37	1	1.52	−1.02	0.53	10	0	8	21	4	5	e.	Thelma F. Spangler
Webster Springs	Webster	1,500	14	66 4	....	90	9	40	1	2.80	.....	1.05	24	0	7	22	4	4	sw.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	32	63.8	−1.1	91	8†	36	18	0.55	−2.29	0.18	20	0	7	.....	.....	.....	w.	Norfolk & Western Ry.
Williamson	Mingo	673	45	69.6	−0.1	94	7†	49	4†	1.91	−1.08	0.57	23	0	6	23	3	4	ne.	Lockmaster
Winfield Locks	Putnam	571	8	67.2	.....	92	9	48	4	3.45	.....	1.09	10	0	7	.....	.....	.....	w.	
Means and Extremes	.....	.....	.....	**66.1**	....	**100**	**9**	**31**	**1†**	**2.10**	.....	**2.02**	**24**	**0**	**7**	**16**	**9**	**5**	w.	
State Averages and Extremes	.....	.....	...	**65.5**	**−0.8**	**100**	**9**	**23**	**15**	**2.27**	**−0.69**	**2.65**	**30**	**0**	**7**	**16**	**9**	**5**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitati with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated. § At Hogsett Dam 26 O.R.

Daily Precipitation for September 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac			T.							.27	.40									.22	.07		.17	.85					1.05	.15		3.18
Berkeley Springs	do.										.06	.16									.10	.84		.10	.19						.82		2.27
Brandywine	do.											.17									.27			.13	.29					.65			1.51
Brushy Run[2]	do.											T.										.28		.16	.14	.06					.18		0.82
Harpers Ferry [2]	Potomac			.40																	2.10	.05	.03	.38	.48			T	T.	.98		4.42
Inwood	do.			.20																	.30	1.23		.12	.69				.50	.80		3.84
Kearneysville	do.		.02																		.45	1.70		.06	.97								3.20
Knobly Mountain[2]†	do.										T.	.10										.29		.30	.46					.22			1.37
Martinsburg [4]	do.		.21	T.			T.			.02	T.										1.02	.82		.06	.22				1.05	.12			3.52
McNeill†	do.										.23										.12	.04		.15	.12				.69	.03			1.38
Petersburg	do.									.14	.01			T							.32	.01	T.	.15	.15				.04	T.			0.82
Piedmont	do.										.20	.18									.25			.38	.46					.34			1.76
Springfield	do.										.18											.41		.18	.19	.02				1.08			2.06
Spruce Knob [2]†	do.											T.									.08	.42	.17	.38	.40	.30				.37			2.12
Stouy River Dam [2]†	do.											.28										.34		.14	.20		.11			.10			1.17
Wardensville [2]	do.																					.37		.25	.19	.07				.44			1.32
Northern Division																																	
Aberdeen†	West Fork									T.	.37	.28									.44	.37		.08	.81					.72			3.07
Belington [2]	Tygart										.64	.23										.30	T.	.05	.53	.15				1.67			3.57
Benson†	West Fork										.20	.90									.57	.15		.19	.51					.55			3.07
Beus Run	Ohio										.38			.05							.15			.13					1.06	.21		1.98
Big Skin Creek†	West Fork										.66										.76	.09		.06	.84					.69			3.10
Brandonville [2]	Cheat										.85	.46										.27		.11	.83	.05				.24			2.81
Brownsville†	West Fork										.55										.46	.13		.10	.83					.76			2.83
Buckhannon	Tygart										.70	.04									.63	.24		.07	1.10	.01			T.	.23			3.02
Cairo	Litl.Kanawha										.15	.22			.72						.14									1.20			2.48
Canaan Valley	Cheat										.10	.10									.20	.05		.26	.30				.09	.23			1.33
Clarksburg [2]	West Fork										.10	.36										.78		.11	.60	T.				.28			2.18
Crawford	do.										.24	.03		.07							.72			.07	1.37					.25			2.75
Creston [2]	Litl.Kanawha										.72	.51			.49							.09		.05	.06					.30			2.22
Dailey [2]†	Tygart										.58	.31										.30		.11	.23	.03				.28			1.84
Dam 10, Mon. R. [2]†	Monongahela										1.01	.27										.39		.18	1.30	.03				.31			3.44
Dam 13, O. R. [2]†	Ohio										.26	1.04										.17		.02	.14					.36			1.99
Dam 15, Mon. R. [2]†	Monongahela										.64	.36										.48		.04	.92	.04				.28			2.76
Dam 19, O. R. [2]†	Ohio										.28	.38			.72							.14		.06	.03					.09			1.70
Dam 20, O. R. [2]†	do.										.40	.70			.05							.16		.05	.06					.10			1.52
Elizabeth (Dam 3)[2]	Litl.Kanawha										.15	.37			.87							.05	.18	.05						1.00			2.17
Elk†	West Fork										.46						.30	.60			.60	.16		.18	.50					.85			3.65
Elkins [1]†	Tygart									1.17	.33										.51	.01	T.	.12	.63				.14	.09			3.00
Fairmont [2]	Monongahela										.64	.22									.37	.11		.16	.51					.36			2.87
Glenville [2]	Litl.Kanawha										.39	.61			.23						.61	.04		.31	.56								2.75
Hackers Creek†	West Fork										.42	.60									.41			.13	1.18					.32			3.06
Hall [2]	Tygart										.40	.26										.77		.07	.90	.09				.24			2.73
Harrison Co. Arpt. [4]	West Fork									.44	.40										1.02		.01	.53	.48				.28	.07			3.23
Hastings	Ohio										.20	.30									.28	.22							.08	.54			1.62
Horner	West Fork										.42	.35			.11						.75	.20		1.06						.61			3.50
Ireland	do.											.38										1.18		.08	1.40	.10				.10	.12		3.36
Jane Lew	do.										.69	.45									.54	.24			.99	.02					.37		3.30
Kumbrabow St. For.† [2]	Tygart									T.	.41	.27									.40	.09		.10	.70	.01				.10	.42		2.50
Mannington	Monongahela										.65	.05		.01							.59	.08		.21	.09	.02				.04	.39		2.13
Middlebourne [2]	Middle Is.Creek										.19	.29										.23	.19								1.29		2.19
Midvale [2]†	Tygart										.31	.38										.53	.02	.04	.47	.08				.60			2.43
Morgantown	Mouongahela										1.15	.28	T.								.26	.16		.55	.75					.35			3.50
Mt. Clare	West Fork																																
New Cumberland	Ohio									.29	.28	.20									.14	.18		.10	.13					T.	.01		1.33
New Martinsville	do.										.74										.22			.14					.57	.16			1.83
Parkersburg [1]†	do.									.39	.18			.12							.14		T.	.09	T				.07	.01			1.00
Parsons	Cheat									.02	.79	.19									.13	.12		.12	.67				.10	.20			2.34
Philippi [2]	Tygart										.60	.42										.67	T.	.06	1.16	.02				.37			3.30
Pickens	do.			.02						1.21											.40	.08	.10	.96					.10	.57			3.44
Roanoke	West Fork										.58	.28									.58	.05		.15	.80					.60			3.04
Rockford †	do.										.60	.45									.60	.07		.07	.84					.40			3.03
Rowlesburg [2]	Cheat										.83	.40										.28	T.	.15	.74	.05	T.			.56			3.01
Saint Marys [2]	Ohio										.21	.23			.03							.10		.08	.04					2.65			3.34
Salem	West Fork										1.09										.64			.30						.67			2.70
Shinnston	do.										.35	.25									.60			.20	.46					.44			2.30
Thomas [2]	Cheat										.15	.36										.15	.01	T.	.50	.05				1.30			2.52
Valley Chapel	West Fork										.48	.39									.47	.36		.13	.93					.50			3.26
Valley Head [2]	Tygart										.06	.21										.20		.08	.04	.50				.26			1.35
Vandalia†	West Fork										.46	.15									.80				1.28					.36			3.05
Wellsburg (near)	Ohio									.07	.29	T.									.12	.16		.08	.18				1.64	.12			2.66
West Milford	West Fork										.22	.52									.45	.33		.15	.90				.36				2.93
Weston [2]	do.										.86	.61										.72		.07	.83	.06				.65			3.80
Wheeling (Dam 12)[2]	Ohio										.46	.78												.02	.15					.37			1.78
Southern Division																																	
Alderson	Greenbrier											.33									T.	.55		.10	T.					T.			0.98
Arbovale	do.											.10									.20			.15	.20				.30	.04			0.99
Athens	New										.20	.05								T.	.45		T.	.18	.02				.20	.05			1.15
Bluefield	do.										.37	.05									.67	.07		.11	.13				.30	.08			1.78
Bluestone Dam	do.										.31	.20	T.								.11	.07		.08	.05	.02				.05			0.89
Camden-on-Gauley [2]	Gauley										.95	.52																					§§
Charleston	Gr. Kanawha										.71	.35									.15	.48		.09	.50					.50			2.78
Charleston (Airport)[4]	do.									.54	.49										.61		T.	.09	.02				1.24	.05		3.04
Clay	Elk										.11	.10									.61			.23	.27				.09	.03			1.44
Cranberry Glades	Cranberry									.24	.12	.12										.15		.15	.45					.09			1.32
Flat Top[3]	New									.73	.57										.27		T.	.12	.15				.11	.07			2.02
Gary [2]	Big Sandy										.09	.65									.13	.14		.11	.26	.04				.23			1.65
Greenbottom†	Ohio									.09	.92	.13			.21						.06			.12									1.53
Hinton [2]	New										.66	.33									.13			.15	.04					.09			1.40
Hogsett [2]	Ohio										.80	.12			T.						.01	.13		.05	.04					.07			1.22
Huntington	do.									.07	1.03			.07	.01						.14		T.	.13	.01				.03				1.49
Kayford [2]	Gr. Kanawha										.50	.20										.55			1.20					.50			2.96
Logan [2]	Guyandot										.60	.67									T.	.15		.11	.60	T.				.23	.42			2.78
London Locks [2]†	Gr. Kanawha										.29	.31									.02	1.09		.11	1.05	.04				.37			3.28
Madison [2]	Coal										.80	.26									.01	.15	.10		.98									2.30
Oak Hill [2]	New																																
Pineville [2]	Guyandot									.37																							§§
Point Pleasant [2]	Ohio										.42	.20		T.	.60						T.	.20		.06	.03					T.			1.51
Princeton [2]	New									.05	.19									.07	.34		.12	.01	.03				.42				1.23
Rainelle	Greenbrier										.30	.13									.45			.10	.12				.11	.12			1.33
Ravenswood [2]	Ohio										.62	.26			.43						.13			.05	.06				.28				1.83

Continued on next page.

Daily Precipitation for September 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley										.22	.44									.15	.32				.14					.58		1.85
Ripley	Ohio										1.05										.27			.05							.45	.09		1.91
Seneca State Forest†	Greenbrier																					.09		.07	.03								2.26
Spencer [2]	Litl.Kanawha										.48	.78		.60	.21						.08	.44	.03	.61					.25			2.71
Summersville [2]	Gauley										1.05	.25									.67			.28	1.74						.12		4.13
Sutton	Elk										.70	.42			.20						.11	.21		.16	.04	.06			.25	.16		1.52
Union [2]	New											.53									T.	.23		.25	.10								8.53
Wayne [2]	Twelvepole										.86	.70			1.39						.33	.06			1.05				.53	.22		2.80
Webster Springs	Elk										.25	.36									.18	.04		.11	.05				.01			0.55
White Sulp'r Spgs.	Greenbrier			T.							.13	.05										.08		.24	.57					.15		1.91
Williamson [2]	Big Sandy										.55	.32									.01	.20		.08	.14					.98		3.45
Winfield Locks [2]†	Gr Kanawha										.95	1.09																					

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. ‡ Precipitation measured with recording gage [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville. Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for September 1946

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	73	73	68	68	72	76	78	82	85	80	75	71	61	64	70	71	74	77	77	69	70	72	79	74	71	71	79	79	75	60	....	73.1
	Minimum	38	43	35	31	32	38	36	40	48	55	58	36	50	41	27	27	28	34	32	41	56	42	60	56	41	34	33	37	46	39	....	40.3
Bluefield	Maximum	76	75	75	71	78	74	79	89	86	83	76	71	71	68	78	75	67	77	78	73	75	82	77	72	74	76	76	77	74	67	....	75.5
	Minimum	50	44	56	51	54	53	55	55	61	61	63	47	57	51	48	49	45	46	58	60	55	54	61	63	56	49	50	63	61	47	....	54.1
Brandywine	Maximum	82	85	84	81	80	86	91	92	97	90	81	80	71	74	80	81	85	84	80	76	79	88	82	78	84	83	86	84	82	64	....	82.3
	Minimum	29	38	44	30	29	35	40	48	50	54	51	39	51	44	26	26	28	32	34	44	58	42	57	58	44	34	35	38	40	41	....	40.5
Buckhannon	Maximum	80	81	77	80	86	88	90	92	91	85	76	78	77	75	79	80	83	87	85	75	80	87	85	76	77	80	88	85	82	67	....	81.7
	Minimum	39	50	42	39	44	45	45	55	56	62	52	43	53	50	36	39	38	42	40	58	61	51	66	61	45	43	43	47	51	47	....	48.1
Cairo	Maximum	79	78	80	82	85	88	91	93	90	90	87	80	81	79	82	84	85	86	88	86	81	89	83	80	80	83	84	93	86	67	....	84.0
	Minimum	65	50	41	43	44	43	47	56	58	61	61	47	48	42	51	39	42	44	46	50	52	51	65	64	42	42	44	43	54	47	..	49.4
Charleston (Airport)	Maximum	79	76	79	84	86	90	91	93	92	86	75	81	79	81	82	86	84	86	80	67	84	87	79	78	82	84	92	89	80	65	....	82.6
	Minimum	47	55	49	45	51	53	52	60	63	62	54	53	53	52	48	46	50	50	49	57	61	60	68	54	53	51	51	52	56	41	....	53.2
Clarkshurg [3]	Maximum	79	79	76	81	85	89	91	93	91	86	74	78	76	76	78	81	82	88	83	69	78	89	84	72	77	82	89	85	82	58	..	81.0
	Minimum	43	44	43	39	43	48	47	50	59	59	61	48	50	48	40	41	41	44	45	45	55	54	54	66	50	46	45	46	50	49	....	48.4
Cranberry Glades	Maximum	70	73	67	71	73	73	80	79	76	73	68	67	73	73	74	75	72	73	73	71	73	78	73	70	74	77	77	75	76	70	..	73.2
	Minimum	31	35	48	31	35	36	40	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Elkins	Maximum	77	77	73	76	80	84	85	88	87	82	72	76	70	71	76	80	81	82	82	66	74	84	81	68	75	77	85	84	78	55	....	77.5
	Minimum	38	49	41	37	42	42	45	52	54	61	49	47	50	44	37	35	35	39	42	51	54	52	65	55	49	42	41	46	50	37	....	46.0
Fairmont [3]	Maximum	80	82	81	81	86	89	91	94	96	86	78	80	77	77	79	83	86	89	83	76	77	90	84	76	81	83	91	89	86	68	....	83.3
	Minimum	42	52	43	42	46	48	47	55	58	66	61	49	54	48	42	44	44	47	49	50	60	55	65	61	49	46	44	47	55	47	..	50.5
Flat Top	Maximum	73	73	67	71	75	75	78	83	84	74	71	71	63	69	70	72	70	72	74	60	76	74	73	66	74	73	76	75	75	59	....	72.2
	Minimum	37	49	53	49	50	49	50	57	58	57	57	47	53	47	41	48	40	45	48	56	56	48	62	60	48	52	42	58	57	43	....	50.6
Gary [3]	Maximum	78	80	77	81	83	84	83	90	90	83	78	84	73	78	80	81	77	83	83	73	81	84	79	70	79	82	87	85	83	58	....	80.2
	Minimum	44	52	59	46	47	48	50	53	61	60	62	51	50	52	50	47	43	45	47	52	56	55	64	65	59	46	47	49	55	51	....	52.2
Glenville	Maximum	80	78	82	85	91	92	95	96	96	92	82	84	85	81	85	87	86	90	87	81	84	90	86	80	83	85	93	91	89	80	....	86.5
	Minimum	47	46	45	51	48	47	46	59	68	66	70	67	62	56	52	44	57	56	59	55	64	66	67	66	58	61	60	61	58	54	....	57.2
Huntington	Maximum	80	75	81	86	89	92	92	95	91	87	89	84	79	82	82	85	81	87	85	75	80	83	79	81	85	85	92	90	84	69	....	84.2
	Minimum	49	59	54	49	52	56	54	60	66	65	63	52	56	55	54	49	53	53	53	58	60	59	69	63	51	53	52	55	61	48	....	56.0
Logan [3]	Maximum	83	80	83	86	86	89	89	94	93	84	78	82	79	83	76	82	84	87	87	70	78	86	81	75	81	85	90	89	79	64	....	82.8
	Minimum	49	54	58	49	51	52	54	55	65	63	62	52	54	55	55	48	50	50	50	53	61	60	68	63	57	53	52	52	53	51	....	55.0
Madison [3]	Maximum	80	78	79	84	87	88	90	92	90	83	77	80	78	76	80	84	83	85	83	71	84	79	82	77	81	81	89	84	86	64	....	81.8
	Minimum	45	53	56	44	47	50	51	55	61	61	61	52	57	54	50	44	45	45	47	50	59	57	66	60	57	50	48	50	48	49	....	52.4
Mannington	Maximum	80	80	79	82	87	88	93	93	93	86	76	79	77	77	80	83	85	88	85	73	79	89	83	79	81	84	92	89	80	66	....	82.9
	Minimum	39	48	41	38	41	44	44	51	55	66	58	46	47	45	36	37	37	40	45	45	60	52	69	60	45	42	40	44	51	47	....	48.2
Martinsburg	Maximum	82	82	76	73	76	78	86	91	93	92	78	78	66	71	79	80	83	86	80	74	78	82	81	74	82	83	81	78	74	63	..	79.3
	Minimum	44	53	52	47	47	50	53	56	62	67	54	48	50	41	35	39	43	50	46	50	63	59	67	63	52	50	50	55	62	49	....	51.9
Middlebourne	Maximum	83	81	79	83	87	90	93	97	94	89	78	82	79	81	83	85	83	87	89	75	82	90	82	81	83	86	92	89	79	63	....	84.2
	Minimum	45	45	40	40	44	48	48	56	59	66	61	48	57	47	39	39	41	44	48	48	62	54	66	64	39	43	42	47	54	48	....	49.4
Morgantown	Maximum	81	79	77	82	85	88	92	93	94	85	74	77	76	75	78	82	87	88	86	70	78	89	83	73	81	81	90	87	85	74	....	82.3
	Minimum	48	57	47	45	50	57	55	59	60	68	63	51	56	49	41	44	46	49	51	51	62	62	69	61	59	51	50	55	59	46	....	54.0
New Martinsville	Maximum	80	81	80	82	88	90	94	95	94	89	75	79	77	80	81	83	86	89	91	84	80	92	84	80	81	84	93	89	79	62	....	84.1
	Minimum	46	54	54	43	44	49	50	58	60	65	63	51	57	50	55	44	46	52	54	50	63	58	68	65	50	50	53	50	47	46	....	53.5
Parkersburg	Maximum	79	77	75	81	86	88	92	92	89	85	76	79	76	77	78	84	82	85	85	68	77	87	80	78	80	84	89	87	84	63	....	81.4
	Minimum	51	59	48	52	52	57	56	62	65	66	56	50	59	54	49	45	50	51	53	56	63	59	69	54	49	48	50	56	54	46	....	54.6
Petersburg	Maximum	85	87	79	78	82	86	92	93	97	92	82	79	68	75	81	84	85	86	83	64	80	88	83	79	84	84	88	85	83	62	....	82.6
	Minimum	39	48	48	41	42	44	47	53	56	64	54	45	54	41	33	34	36	42	44	51	57	52	65	58	49	44	42	47	54	47	....	47.8
Point Pleasant	Maximum	81	81	77	82	88	89	91	94	91	85	76	92	80	80	82	83	82	86	85	83	80	85	85	77	81	84	88	88	86	72	....	83.8
	Minimum	50	57	50	50	51	58	55	61	65	66	62	52	57	55	52	47	51	53	53	56	63	60	68	62	49	50	50	50	64	46	....	55.4
Rainelle	Maximum	77	76	74	73	80	83	78	85	87	78	74	69	69	74	79	80	77	80	79	66	77	79	78	70	78	82	83	80	80	59	....	76.8
	Minimum	36	42	51	36	42	42	48	52	53	58	54	44	53	47	40	34	36	35	45	57	57	49	63	59	48	39	40	50	54	44	..	46.9
Spencer [3]	Maximum	78	78	82	80	85	87	90	92	89	84	74	78	78	78	75	77	80	79	81	69	79	85	80	78	80	82	89	87	77	65	....	80.5
	Minimum	43	50	44	47	44	51	50	53	61	64	61	47	48	53	50	45	41	44	47	54	57	52	59	63	46	43	44	48	55	46	....	50.3
Summersville [3]	Maximum	75	75	76	79	82	85	86	88	89	80	76	75	73	74	77	81	81	88	79	69	76	76	65	75	81	81	82	79	80	56	....	78.0
	Minimum	34	45	35	39	39	38	41	55	66	54	55	46	41	38	37	36	36	35	36	52	55	46	55	51	38	41	42	41	41	42	....	43.7
Sutton	Maximum	78	81	82	86	89	91	92	95	95	93	84	80	85	85	77	84	86	89	89	84	85	86	86	82	81	81	91	91	87	79	....	85.8
	Minimum	42	49	46	41	44	47	48	61	59	62	60	49	57	53	46	41	42	43	46	52	60	52	65	64	51	47	46	48	53	49	....	50.8
Wardensville [3]	Maximum	81	83	74	75	81	81	91	91	95	90	78	79	65	72	78	80	82	84	80	69	81	84	83	76	83	81	82	79	79	62	....	80.0
	Minimum	37	45	46	42	38	46	46	52	52	60	59	45	57	38	30	32	34	42	35	50	58	50	61	57	52	52	42	45	52	52	....	46.9
Weston	Maximum	82	81	80	85	88	89	92	95	96	88	78	82	80	80	81	85	86	89	86	82	80	90	86	82	80	83	82	85	84	81	..	84.6
	Minimum	41	53	45	42	46	48	49	62	69	64	63	50	53	54	43	44	43	45	48	55	62	54	66	67	53	48	48	50	54	49	....	52.4
Wheeling [3]	Maximum	77	78	77	80	85	89	93	95	91	85	77	72	75	77	79	82	85	86	90	80	74	91	81	84	79	85	92	87	80	61	..	82.2
	Minimum	48	52	46	46	47	49	54	56	62	65	62	54	54	50	44	45	46	50	54	50	52	58	58	62	49	48	49	47	54	47	....	51.9
White Sulphur Sp'gs.	Maximum	79	82	78	76	79	81	84	91	91	84	78	79	70	74	80	79	78	82	79	78	78	84	81	78	82	84	83	79	80	64	....	77.8
	Minimum	44	43	51	37	42	50	48	57	58	58	57	47	52	46	39	41	37	36	44	58	61	52	65	65	54	50	47	58	48	50	....	49.7
Williamson [3]	Maximum	81	82	82	86	89	90	94	94	94	86	78	83	81	84	85	87	82	86	88	77	86	80	78	76	85	86	91	90	82	66	....	84.3
	Minimum	51	54	58	49	53	53	54	55	64	64	62	54	55	53	56	49	49	50	50	53	62	59	59	63	59	53	52	52	53	52	....	55.0

Daily Evaporation (inches) and Wind Movement (miles) for September 1946

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.106	.114	.123	.071	.114	.109	.136	.011	.224	.123	.153	.127	.106	.109	.017	.108	.210	.288	.104	.094	.020	.046	.166	.000	.117	.087	.085	.082	.056	.103	....	3.212
	Wind movement	38	35	62	57	40	17	20	18	20	63	53	58	47	58	44	30	23	29	25	19	13	24	20	47	35	36	31	12	27	120	....	1121
Wardensville	Evaporation	.142	.216	.177	...	....	247	180	.180	.151	.150	154	.249	.091	.178	.061	....	....	....	.274	.058	.102	.007	.219	**.005**	.096	.088	.201	.174	.145	.140	.098	....	4.353
	Wind movement	11	33	18	16	19	13	16	8	9	9	39	17	47	10	25	2	13	12	13	8	20	14	13	28	11	18	8	10	22	22	....	504

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. **Bold** face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—12-2-46—925)

UNWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIV OCTOBER 1946 No. 10

GENERAL SUMMARY

The month was characterized by unusually warm daytime temperatures while the night temperatures were, in general, just about normally cool. The average temperature for the State was 57.2°, or 2.5° above normal. Practically all stations showed plus temperature departures. Killing frosts or freezing temperatures occurred at a number of places on the 2d and more generally on the 13th. Sunshine was about normal.

Precipitation averaged below normal in all sections except the northern and northeastern panhandles where from slight to moderate excesses were recorded. The area of greatest deficiency included the counties of Boone, Monroe, Raleigh, and Summers, and also the southern parts of Kanawha and Greenbrier. Spruce Knob had 1.0 inch of snow on the 1st, the only measurable amount reported; a few other high-level stations reported a trace on the same date. The rainfall was well distributed throughout the month but the amounts tended to be heavier in the northern part of the State.

A near normal amount of rainfall, well distributed throughout the month, was a decided help to the farmers. It was beneficial to pastures and meadows and germinated the new seedings of winter grains. At the same time there were about three days only in which the rains interfered with outdoor work. Apple harvest continued all month with a heavy tonnage going to processors and to storage. Some of the large commercial orchards and quite a few of the smaller ones managed to complete the picking of this year's crop. Much corn was cut and shocked and some shucked during the month. Killing frosts occurred at most places. However, most crops had been made and little damage resulted. Frost caught some late-planted corn while still soft. Pastures improved to fair in many places and to good in a few. Many fields of newly sown wheat were green at the close. The leaves of the forest trees did not have their usual fine coloring in many places this year. The cause for this seems to be found in the dry weather of September and early October. Outside construction work was hindered but little by the weather during the month. Farm water supply was still deficient in many places and small streams had but little water flowing at the close. C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 57.2°, or 2.5° above the normal. The mean for the northeastern panhandle division was 55.8°; for the northern division, 57.3°; and for the southern division, 57.6°. The highest monthly mean was 62.1° at Glenville and the lowest, 49.6° at Bayard. The highest temperature was 92° at Williamson on the 5th and at Glenville on the 7th and the lowest, 20° at Creston on the 2d and at Bayard, Canaan Valley, and White Sulphur Springs on the 14th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 109 stations, was 2.67 inches, or 0.18 inch below the normal. In the northeastern panhandle division, the average was 3.36 inches; in the northern division, 2.98 inches; and in the southern division, 2.10 inches. The greatest monthly precipitation was 5.37 inches at Spruce Knob, and the least, 0.71 inch at Madison. The greatest amount in any 24 consecutive hours was 2.42 inches at Spruce Knob on the 25-26th. The average monthly snowfall was a trace, or 0.3 inch below the normal. The average number of days with 0.01 inch or more of precipitation was 7.

ERRATUM

July 1946.—Page 26, Dam 10, Mon. R., greatest precipitation in 24 hours and date—1.41 on 31st.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	2	7	10	10	11	4	..	.	4	13	4	9	6	11	6	1	..	..	3	24	18	5	10	1	7	11	12	8	3	2
Frosts killing	3	27	2	1	..	..	..	..	..	..	..	..	9	3	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	5	2	..	..	..	..	1	2	..	..	..	4	..	..	1	..	..	12	1	1	..	1	..	..	6	1	..	..	..	2	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Halos, lunar	..	..	..	..	..	..	1	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	1	..	..	..	..	..	..	1	1	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.42	28	29.48	18	4.7	24	nw.	18	93	50	71	49	155
Columbus, Ohio	30.41	28	29.45	18	7.8	43	s.	18	85	51	65	70	187
Elkins	30.51	28	29.63	18	5.1	26	se.	25	94	49	74	61	352
Huntington Airp't.	30.44	28	29.56	18	.....	30	sw.	18	92	47	74	....	192
Parkersburg	30.43	28	29.55	18	5.0	22	w.	18	86	46	63	53	181
Petersburg, W. Va.	30.52	28	29.56	18	.....	26	nw.	1	90	49	68	....	239
Pittsburgh, Pa.	30.45	28	29.47	18	8.4	34	w.	18	81	51	59	54	193

COMPARATIVE DATA FOR OCTOBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	....	7	..	..	..
1892	52.6	89	24	.21	1.05	.48	.83	....	4	..	..	..
1893	54.1	86	16	4.85	4.20	5.91	4.74	....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	**5.67**	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	.40	T	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	**3.64**	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	1	**8**
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	1	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	**5**
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2.19	1.13	1.80	.4	8	14	9	8
1941	59.6	99	17	1.26	3.68	2.48	2.89	.0	12	12	9	10
1942	55.8	87	11	6.93	3.73	3.08	4.04	T.	10	13	8	10
1943	52.4	89	19	2.87	2.05	2.28	2.26	.1	8	15	5	11
1944	53.7	88	15	4.30	4.38	3.61	4.07	T.	10	14	9	8
1945	53.1	95	15	1.07	1.81	1.60	1.65	T.	6	17	7	7
1946	57.2	92	20	3.36	2.98	2.10	2.67	T.	7	16	7	8
Period	54.7	102	8	2.76	2.98	2.70	2.85	0.3	8	16	7	8

Climatological Data for October 1946

Station	County	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	49.6	+0.4	79	6	20	14	3 22	−0.04	1.57	26	T.	10	13	10	8	w.	Howard R. Fulk
Berkley Springs	Morgan	640	2	57.8	.....	86	6	31	14	4.21	. ..	1.53	26	0	11	13	10	8	w.	Hammond Shriver
Brandywine	Pendleton	1,586	30	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	E. L. Keister
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	4.22	+0.96	1.30	13	0	10	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	56.9	.....	85	7†	30	14	3.16	.....	0.95	12	0	8	15	9	7	e.	H. W. Prettyman
Kearneysville	Jefferson	548	16	57.7	+2 8	85	31	31	14	4.11	+0.85	1.40	9	0	9	15	9	7	ne.	University Exper. Station
Martiusburg	Berkeley	545	54	56.9	+2.2	83	6	32	14	2.84	−0.23	0.71	12	0	11	16	9	6	sw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	55.3	+1.2	86	6†	22	14†	2.97	+0.66	1.75	26	0	5	16	8	7	w.	R. E. Saville
Petersburg	Grant	1,029	7	57.4	.....	87	6†	28	14	2.76	.. ...	1.61	26	0	7	11	10	10	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	57.4	+4.0	86	7	31	14	2 73	+0.08	1.45	25	0	6	16	7	8	s.	C. A. Suter, Jr.
Stouy River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	4.41	+1.21	2.36	25	0	7	11	9	11	w.	Fred Becker
Wardeusville, 2½ mi. NE.	Hardy	1,200	28	55.2	+2.6	84	7†	28	14	2.95	−0.21	1.11	12	0	8	21	7	3	nw.	Reymann Memorial Farm
Means and Extremes		.....	....	**55.8**	.....	**86**	**6†**	**20**	**14**	**3.36**	. ...	**2.42**	**26**	T.	**8**	**15**	**9**	**7**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	2.89	−0.65	1.30	26	0	7	16	7	8	. ..	L. Esle Bond
Benson	Harrison	1,080	21	57.0	+4.1	89	7	28	14	3.26	−0.30	1.25	26	0	9	15	10	6	.....	R. D. Marts
Bens Run	Pleasants	652	45	59.6	−3.0	87	5	34	13	1.67	−1.35	0.64	25	0	5	25	3	3	...	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	54.6	.....	85	6	26	14	3.27	.....	1.12	26	0	8	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	22	55.8	+1 2	84	5	25	21	3.06	−0.36	1.39	26	0	8	16	10	5	n.	M. D. Hawkins
Buckhanuon	Upshur	1,459	55	56.0	+2.2	85	7	27	13	2.93	−0.21	1.61	25	0	7	19	5	7	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	40	59.0	+3.2	90	7	28	2†	2 11	−0.81	1.16	26	0	7	21	5	5	. ..	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	2	50.8	....	78	4†	20	14	3.84	.....	1 97	26	T.	7	8	19	4	e.	George B. Thompson
Clarksburg	Harrison	1,015	23	55.4	+2.0	85	6†	30	13†	2.83	−0.30	1.15	25	0	7	23	0	8	se.	Clarksburg Water Board
Creston	Wirt	640	45	.....	... .	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	58.7	.....	87	4†	32	14	3.43	+0.26	1.22	26	0	11	17	6	8	s.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	3.25	+0.56	1.21	12	0	10	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	...	.....	...	2.92	−0.32	1.11	24	0	7	.....	..	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	.....	...	.....	...	2.09	−0.56	0.70	12	0	7	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	...	.....	...	2.37	−0.38	0.75	12	0	7	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	2.85	−0.07	0.90	26	0	6	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	47	53.6	+2.5	84	7	25	14	2.83	−0.08	1.24	26	T.	8	13	6	12	nw.	U. S. Weather Bureau
Fairmont	Marion	1,023	54	58.5	+3.4	88	6	32	2†	2.86	−0.25	1.06	25	0	6	18	3	10	w.	Monougahela Power Co
Gleuville	Gilmer	738	58	62.1	+5 9	92	7	31	14	3.01	−0.20	1.43	26	0	8	14	11	6	w.	Howard R. Brauuon
Harrison County Airport	Harrison	1,188	6	56.5	.....	85	7	27	13	3.41	.....	1.65	25	0	6	15	6	10	n.	U. S. Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	3.58	+0.27	1.50	12	0	9	16	8	7	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	2.97	−0.35	1.21	26	0	10	.....	.....	.....	.	Reta Goldsmith
Manniugton, 1½ mi. NW	Marion	974	44	56.2	+2.6	90	6†	25	2	3.02	−0.15	1.18	26	0	10	16	6	9	w.	James A. Morgau
Middlebourne, 2¾ mi. SE	Tyler	750	5	58.0	.....	89	5†	28	2	3.28	....	1.49	12	0	6	.....	.....	.....	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,250	70	59.9	+4.7	88	6†	30	13	3.35	+0.21	1.26	26	0	7	16	7	8	.....	State Dairy Farm
New Cumberland	Hancock	671	51	59.0	+5.0	90	6	32	13	4.03	+1.31	1.36	12	0	10	14	10	7	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	59.3	+2.5	89	6†	32	2	3.19	+0.07	1.41	12	0	5	20	3	8	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	59.7	+3.6	87	7	31	13	2.04	−0.44	0.96	12	0	7	13	6	12	se.	Sectiou Center
Parsons	Tucker	1,649	47	56 0	+4.5	87	7	28	14	3.18	−0.09	1.47	26	T.	11	4	17	10	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	3 09	−0.05	1.46	26	0	7	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	55.8	+4.1	84	10	25	13	3.00	−1.04	1.43	26	0	8	20	5	6	w.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	2.93	−0.49	1.49	25	0	6	22	2	7	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	61	57.5	.....	89	25	30	28	2.79	−1.56	1.22	26	T.	5	.....	.....	.	w.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	... .	.....	.....	.....	.....	2.88	+0.02	1.03	26	0	5	.....	.....	..	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	3.14	−1.10	1.58	26	0	7	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	59.0	+3 6	89	4	30	14	3.10	−0.31	1.33	25	0	6	16	10	5	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	55.8	+2.3	87	5†	27	14	3.43	+0.71	1.22	12	0	7	15	6	10	.....	George P. Pfister
West Milford‡	Harrison	979	20	.....	.....	.....	.....	.....	.....	3.16	−1.06	1.20	26	0	9	.....	.....	.....	.....	Scotlaud G. Highland
Weston	Lewis	1,026	55	60.0	+4.5	89	7	30	14	3.12	+0.31	1.38	25	0	9	2	26	3	.....	J. Artnur Henry
Wheeling (Dam 12)	Ohio	659	62	58.8	+3.9	90	5	33	13	3.25	+0.52	1.24	12	0	10	17	2	12	sw.	Lockmaster
Means and Extremes		.....	....	**57 3**	.....	**92**	**7**	**20**	**2†**	**2.98**	.....	**1.97**	**26**	T.	**7**	**16**	**7**	**8**	w.	
Southern Division																				
Alderson	Monroe	1,570	2	61.2	.....	89	7	32	14	2.54	.....	1.40	26	0	3	.....	.....	.....	.....	John E. Foster
Arbovale	Pocahoutas	2,727	23	.....	.....	.....	.....	.....	.....	2.60	−0.04	1.50	25	T.	4	17	7	7	w.	H. S. Sutton
Athens	Mercer	2,600	6	55.4	.....	81	7	27	13	1.60	.....	0.98	26	0	7	18	7	6	nw.	Concord College
Bluefield	Mercer	2,558	51	56.5	+0.8	76	5†	30	2†	1.68	−1.09	1.02	26	0	6	21	1	9	.....	Norfolk & Westeru Ry.
Bluestone Dam	Summers	1,407	4	57.6	.....	88	5	29	2†	1.43	.....	0.91	26	0	6	16	8	7	.....	Willard F. Russell
Charleston	Kanawha	615	59	60.2	+1 3	89	5	36	2†	2.94	−0.10	1 62	26	0	7	20	5	6	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	59.4	.....	88	5	32	2†	2.71	.....	1 27	25	0	6	12	10	9	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	50.9	.....	81	4†	21	14†	2.39	.....	2.05	25	0	4	19	7	5	ne.	Department of Justice
Flat Top	Mercer	3,270	8	53.6	.....	78	5	30	13†	1.37	.....	0.67	26	0	7	15	9	7	sw.	U. S. Airway Station
Gary	McDowell	1,426	29	57.0	+1.4	89	5	29	2	2.05	−0.85	1.00	26	0	5	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	530	7	60.0	.....	90	7	*30*	13	2.26	.....	0 95	12	0	4	14	8	9	w.	State Forest Nursery
Hamlin	Lincoln	642	3	56.4	.....	87	5	26	5	2.73	... .	1.09	12	0	7	16	8	7	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	60.8	+3.8	91	5	33	14	1.31	−1.52	0.88	25	0	5	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	61.6	+5.2	89	7	32	13	2.04	−0.48	1 16	12	0	5	12	11	8	ne.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	.....	.....	.....	.....	.....	1.47	−1.85	1.15	26	0	3	.....	.....	.....	.....	Truax-Traer Coal Co.
Logan	Logan	700	33	59.6	−0.5	88	6	33	2	2.22	−0.83	1.14	25	0	8	19	3	9	.....	J. W. Ruff
London Locks	Kanawha	623	11	59.1	....	85	5†	35	2†	2.59	−0.33	1.36	26	0	6	.....	.....	...	w.	Lockmaster
Madison	Boone	675	25	58 2	+2.6	85	6†	30	2	1.46	−1.17	0.75	26	0	4	.....	.....	.....	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	56.0	.....	82	5†	25	13	1.77	.....	0.78	26	0	7	13	7	11	.....	M. H. Martin
Pineville	Wyoming	1,350	4	57.3	.....	83	7	28	14	1.66	.....	1.12	26	0	3	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	56	60.6	+3.4	85	5†	33	13	2.31	−0.50	1.33	12	0	6	15	7	9	s.	E. C. Wiuger
Rainelle	Greenbrier	2,424	15	53.6	+2.8	88	5	23	2	1.88	−0.73	0 88	26	0	8	20	2	9	.....	L. G. Swiug
Ravenswood (Dam 22)	Jackson	584	31	58.1	+1.8	86	5	28	13	1.58	−1.21	0.50	25	0	6	15	6	10	nw.	Lockmaster
Richwood	Nicholas	2,193	15	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	58.0	.....	89	5†	28	2	1.53	....	1.23	12	0	5	.....	.....	.....	.....	Richard Church
Spencer	Roane	789	47	56.2	+1.3	86	5†	29	13	3.04	−0.12	1.41	26	0	8	11	12	8	.....	A. M. McKown
Summersville	Nicholas	1,900	10	53 4	.....	84	4†	23	2	2.43	.....	1.10	26	0	7	20	9	2	.....	A. E. Dorsey
Sutton	Braxton	850	43	58.6	+1.9	86	5†	30	2†	2 73	−0 26	1.27	26	0	6	22	6	3	..	C. B. Eakle
Union	Monroe	2,200	42	55.0	+0.6	84	5	26	13	1.46	−1.27	0.88	26	0	5	19	4	8	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	14	57.2	.....	88	7	28	2†	2.40	.....	1.23	26	0	8	21	2	8	sw.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	32	57.6	+5.2	88	7	29	14	1.69	−1.12	1.14	26	0	5	6	14	11	w.	Chesapeake & Ohio Ry.
Williamson	Mingo	673	45	60.8	+3.0	92	5	34	2†	2.28	−0.51	1.09	25	0	5	20	7	4	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	58.7	.....	88	5	32	13	1.98	.....	0.92	25	0	5	19	1	11	w.	Lockmaster
Means and Extremes		.....	....	**57 6**	.....	**92**	**5**	**20**	**14**	**2.10**	.....	**2.09**	**26**	T	**6**	**17**	**7**	**7**	w.	
State Averages and Extremes		.....	..	**57.2**	**+2.5**	**92**	**5†**	**20**	**2†**	**2.67**	**−0.18**	**2.42**	**26**	T.	**7**	**16**	**7**	**8**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Raveuswood (Dam 22) is 1½ miles *Italics* interpolated.

Daily Precipitation for October 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.05								.18	T.		.53	.01					.42	.02	.33	.11				.22	1.35						3.22
Berkeley Springs	do.	.02	T.						T.	.38	.62	.03	.75	T.				T.	.25		.49	.05	T.	.04		1.53		.05				4.21
Brandywine	do.									.44	.11		.60																			§§
Brushy Run[2]	do.	.03								.17	.22			.40						.06	.12	.14					1.51					T.	2.65
Harpers Ferry[2]	Potomac									.05	1.00	.42		1.30						.17	.08	.26					.84		.05	.05			4.22
Inwood	do.									.27	.22	.06	.95						.32		.42					.80		.12				3.16
Kearneysville	do.									1.40	.31	.06	.81	.06					.26		.39	.01						.81				4.11
Knobly Mountain[2]†	do.									.05	.15	.03		.50					T.	.18	.19	.28				1.72						3.10
Martinsburg[4]	do.	.02							T	.29	.14	.01	.71					T.	.31		.46	.02				.12	.69		.07			2.84
McNeill†	do.									.23	T.		T	.55					.16		.28					1.75						2.97
Petersburg	do.								T.	.18	.01		.51						.08	T.	.37	T.				1.51	.10		T.			2.76
Piedmont	do.	.02								T.	.13	T.	.43						.32		.38						1.45						2.73
Springfield	do.									T.	.28	.01		.43						.18	.18	.15					1.47						2.70
Spruce Knob[2]†	do.	.07	T							.34	.48	.24		.82						.27	.04	.36	.23				2.42						5.27
Stony River Dam[2]†	do.									.13	.28			.50					T.	.50	.14	.50					2.36						4.41
Wardensville[2]	do.									.07	.46	.04	.03	1.08						.08	.24						.95						2.95
Northern Division																																	
Aberdeen†	West Fork	T.								.02			.97	.02	T.				.53	T.	.05					.12	1.18					T.	2.89
Bellington[2]	Tygart	.04	T.							.05	.11			.91					.01	.31	.16	.02					1.50						3.11
Benson†	West Fork	.05								.10	.05		1.00	.07					.62		.10					.02	1.25						3.26
Bens Run	Ohio									.03			.12						.51							.64	.37						1.67
Big Skin Creek†	West Fork	.01							.08	.01									.38	.07						.60	.88						2.03
Brandonville[2]	Cheat	.09								T	.21		.11	.81				T.	.66	.13	.14	T					1.12						3.27
Brownsville†	West Fork									.11			.95	.10					.45	.03	.06					.06	1.30						3.06
Buckhannon	Tygart									.20			.63		T.				.42	.03	.04	T.				.35	1.26			T.			2.93
Cairo	Litl.Kanawha									.04	T.	.34	.01					.25	.31							*	1.16						2.11
Canaan Valley	Cheat	.07								.17			.63						.33	.07	.60						1.97						3.84
Clarksburg[2]	West Fork	.07								.01	T.			.93					.40	.22	.05						1.15						2.83
Crawford	do.									.01			.95						.27	.02	T.					.61	.80						2.66
Creston[2]	Litl.Kanawha									.10	.06			1.42					.30	.15	T.						1.39						§§
Dailey[2]†	Tygart									.06				.70					T.	.30							1.06						2.12
Dam 10, Mon. R.[2]†	Monongahela	.01								.19	.17		.02	1.07				.04	.14	.54	.02	.01				T.	1.22						3.43
Dam 13, O. R.[2]†	Ohio	.07								.05	.38		.30	.91					.41	.26	.07	.03				.77							3.25
Dam 15, Mon. R.[2]†	Monongahela									.09	.05	.02		.99					.10	.53	.03					T.	1.11						2.92
Dam 19, O. R.[2]†	Ohio									.04	.08		.70	.35					.38	.03	T.	T.					.51						2.09
Dam 20, O. R.[2]†	do.									.10	.04		.73	.48					.23	.07	T.					T.	.72						2.37
Elizabeth (Dam 3)[2]	Litl.Kanawha									.10			.65	.70					.35	.15							.90						2.85
Elk†	West Fork									*	*		1.06						.55	.08						.48	.93						3.10
Elkins[1]†	Tygart	.01							T.	.06	T.		.78						.25	.01	.48					1.17	.07						2.83
Fairmont[2]	Monongahela	T.								.13	T.		1.00						.64		.03					.63	.43						2.86
Glenville[2]	Litl.Kanawha	.21							T.				.84	.09					.35	.04	.05					.61	.82						3.01
Hackers Creek†	West Fork									.05	.03		.93						1.29	.01					.04	1.10						.03	3.48
Hall[2]	Tygart	.07								.03	T.			1.60					.14	.33	.06						1.67						3.30
Harrison Co. Arpt.[4]	West Fork								T.	.04	.04		1.03					T.	.61	T.	.04					1.65					T.	3.41
Hastings	Ohio	.03								.12	.06		1.38	.12					.58		.01					.32	.96						3.58
Horner	West Fork												.97	.30												.15	1.50						2.92
Ireland	do.									*	*		*	1.10						.25						*	1.18						2.53
Jane Lew	do.	.01								.04	.03		.96	.04					.51	.04	.02	T.				.08	1.21						2.97
Kumbrabow St. For.†	Tygart	.10								.32	.02	.05	.70						.43	.09	.20	.02				.20	1.10					T.	3.23
Mannington	Monongahela	.02								.11	.01		1.09	.02				T.	.56	.02	.01					.60	.58						3.02
Middlebourne[2]	Middle Is.Creek	.02											.62	.87					.49	.07							1.21						3.28
Midvale[2]†	Tygart	.01								.08	.09			.82					.05	.30	.13	.12					1.53						3.13
Morgantown	Monongahela									.29	.05		1.10	.04				T.	.59	.03						1.26					T.	3.36
Mt. Clare	West Fork									.09	.03		.99						.58		.05					.61	.60						2.95
New Cumberland	Ohio	.05								.14	.16	T.	1.36					T.	.92		.08					.84	.15	.31			.02	4.03
New Martinsville	do.									.02			1.41						.65		T.					.78	.33				T.	3.19
Parkersburg[1]†	do.								T.	.05		.04	.92				T.	.01	.30		T.					.71					.01	2.04
Parsons	Cheat	.04								.01	.02		.68	.02					.49	.06	.38					*	1.47					.01	3.18
Philippi[2]	Tygart	.05								.03	T.			.96					.10	.40	.09	T					1.46						3.09
Pickens	do.									.15	.03		.83						.38	.08	.10					.90	.53	T.					3.00
Roanoke	West Fork	.02								.04			.95	T.					.22	.21						T.	1.49						2.93
Rockford†	do.	T								.05	.02		.94						.57	.01	.06					.60	.73						2.98
Rowlesburg[2]	Cheat	T	T.							T.	T.			.69					.11	.59	T.	.18					1.22						2.79
Saint Marys[2]	Ohio									.04			.59	.69					.53		T.						1.03						2.88
Salem	West Fork												1.05						.74	T.						1.00	.35						3.14
Shinnston	do.									.05			1.12						.61							.40	.80						3.01
Thomas[2]	Cheat									.03	.01			.60						.50	.20	.22					1.58						3.14
Valley Chapel	West Fork												1.12	.04					.57		.04					.10	1.23						3.10
Valley Head[2]	Tygart	.06	T.							T.				.72						.26	.08						1.17						2.59
Vandalia†	West Fork												.92						.39	.58						.38	.94						3.21
Wellsburg (near)	Ohio									.28	.12		1.22						.79		.14					.57	.31				T		3.43
West Milford	West Fork									.07	.09		1.01	.02					.67		.08					.10	1.10					.02	3.16
Weston[2]	do.	.09								.08	.06			.98					.05	.38	.04	.06					1.38						3.12
Wheeling (Dam 12)[2]	Ohio	.08								.02	.41		.35	.89				.01	.50	.16	.04	T.				.79							3.25
Southern Division																																	
Alderson	Greenbrier									.40	T.			.74																			
Arbovale	do.								T.	T.				.90						.05	.15	T.					1.40						2.54
Athens	New								.06	.16	.08		.35						T.		.02					.45	1.50						2.60
Bluefield	do.								.05	.10			.36	.05						T.						.10	.53						1.60
Bluestone Dam	do.									.14	.03	T.		.28						.04	.08						1.02						1.68
Camden-on-Gauley[2]	Gauley													.82						.12		.03					.91						1.43
Charleston	Gr. Kanawha										.03	T.	.54	58					.15	.01	.01						1.10						§§
Charleston (Airport)[4]	do.								T.	.02		.02	1.13						.23	.04	T.					1.27	1.62						2.94
Clay	Elk									.15			.19	.09							.56	.09					T.						2.71
Cranberry Glades	Cranberry									.17									.67			.10				.57	.09						1.74
Flat Top[4]	New								.06	.07	T.		.43						.10		.05					2.05							2.39
Gary[2]	Big Sandy									.26			.36	.30							.13					.27	.40						1.37
Greenbottom†	Ohio												.95		.25				.31								1.00						2.05
Hinton[2]	New									.09	T.			.30						.03	.01						.75						2.26
Hogsett[2]	Ohio									.03	.06		1.05	.41					.22	.11	.02					T.	.88						1.31
Huntington	do.								T.	.01		T.	1.16						.27							.48	.88						2.78
Kayford[2]	Gr. Kanawha													.20						.12							1.15					T.	2.04
Logan[2]	Guyandot									.08	.02		.31	.49					.12	.04	.02					T.	1.14						1.47
London Locks[2]†	Gr. Kanawha									T.	.06		.12	.85						.06	.14						1.36						2.22
Madison[2]	Coal													.59					.12							*	.75						2.59
Oak Hill[2]	New									.13	.02		.02	.70						.10	.02						.78						1.46
Pineville[2]	Guyandot												.25	.29													1.12						1.77
Point Pleasant[2]	Ohio									.03	T.	T.	1.05	.28					.25	.02					T.	T.	.68						1.66
Princeton[2]	New								.06				.38							.01							.88						2.31
Rainelle	Greenbrier								T.	.10	.04		.56						.04	.06	.08					.12	.88						1.33
Ravenswood[2]	Ohio									.06	.15		.45							.10						.50	.32						1.88

Continued on next page.

Daily Precipitation for October 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley									.06				.82																			§§ 2.53
Ripley	Ohio										.08		1.23						.30							.72	.20						
Seneca State Forest†	Greenbrier																															T.	3.04
Spencer [2]	Litl.Kanawha										.01		.55	.65					.20	.15	.03	.04					1.41						2.43
Summersville [2]	Gauley									.28	.75								.10	.10	.05	.05					1.10						2.73
Sutton	Elk									.04			1.02						.22		.04					14	1.27						1.46
Union [2]	New									.07	.04			.45							.02						.88						2.36
Wayne [2]	Twelvepole												.89	.39					.17	.02	.07						.82						2.40
Webster Springs	Elk	.04							T	.12	T.		.62						.13	.04	.04					.18	1.24						1.69
White Sulp'r Spgs.	Greenbrier								T.	.09	.05		.39								.02				T.	1.14				T.		2.28
Williamson [2]	Big Sandy									.18			.38	.48					.15								1.09						1.98
Winfield Locks [2]†	Gr. Kanawha									T.	T.		.78						.09	.14	.05						.92						

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for October 1946

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	46	55	68	75	76	79	77	68	62	59	74	71	60	58	62	65	67	64	58	48	54	61	67	71	72	61	70	71	74	73	72	65.7
	Miuimum	33	32	22	28	31	33	28	32	42	44	43	39	24	20	21	24	40	39	42	35	40	28	25	29	34	44	26	33	32	42	50	33.4
Bluefield	Maximum	52	63	74	75	76	74	75	75	58	62	76	75	56	62	63	65	67	67	65	59	60	65	68	68	68	61	69	74	74	74	74	67.5
	Minimum	38	30	32	42	47	50	52	55	54	52	55	50	30	37	36	45	44	55	48	48	34	44	41	45	55	47	44	52	41	39	*50*	45.5
Brandywine	Maximum																																
	Minimum																																
Buckhannon	Maximum	58	65	76	83	82	84	85	74	68	68	83	69	58	69	70	71	73	70	61	56	60	71	75	80	73	68	77	79	77	78	77	72.2
	Minimum	36	33	32	35	39	36	40	45	53	51	48	42	27	28	32	33	43	49	47	40	34	34	33	39	49	54	34	38	38	47	48	39.9
Cairo	Maximum	62	71	78	84	88	89	90	89	70	69	84	82	73	76	75	75	77	76	76	64	66	74	79	79	76	76	81	83	81	80	79	77.5
	Minimum	34	28	32	38	38	39	41	46	46	54	53	45	28	28	30	33	55	56	54	48	34	32	36	41	40	46	33	37	39	44	48	40.5
Charleston (Airport)	Maximum	61	68	80	87	88	87	87	71	69	69	84	64	68	71	76	75	77	73	58	63	65	77	80	82	72	70	78	82	82	82	81	74.9
	Minimum	35	32	37	42	45	47	50	54	58	54	53	35	34	32	37	39	43	55	45	44	40	40	42	46	54	41	39	43	44	49	49	43.8
Clarksburg [3]	Maximum	57	66	77	83	82	85	85	75	61	69	84	62	59	66	69	71	72	70	59	58	60	69	74	78	75	65	75	77	76	77	75	71.3
	Minimum	38	33	33	34	38	39	40	40	48	52	48	48	30	30	31	34	36	52	49	42	35	35	35	41	42	46	35	35	39	40	48	39.5
Cranberry Glades	Maximum	57	64	74	81	79	80	81	69	64	64	75	74	63	59	63	64	67	66	67	62	61	63	70	69	64	66	70	61	72	69	71	68.0
	Miuimum	34	28	22	30	26	30	28	38	51	50	49	35	23	21	21	55	30	39	30	33	43	24	22	30	44	38	30	31	31	32	35	33.8
Elkins	Maximum	51	60	74	80	83	82	84	72	64	66	82	69	56	67	69	69	72	67	57	52	62	68	72	76	66	69	77	75	75	76	72	69.5
	Minimum	37	29	28	32	36	36	36	40	52	50	48	38	27	25	28	30	44	48	39	38	35	33	30	37	51	38	32	36	40	45	45	37.5
Fairmont [3]	Maximum	58	70	77	86	86	88	86	76	71	70	85	70	62	72	74	75	75	73	62	55	64	72	77	80	76	71	79	80	80	80	78	74.3
	Minimum	41	32	34	39	43	43	44	45	53	51	48	43	32	32	35	35	53	55	49	43	39	35	35	42	53	49	36	40	44	49	55	42.7
Flat Top	Maximum	47	60	73	75	78	77	77	65	59	60	77	62	53	60	62	65	69	64	54	58	61	65	70	71	62	65	67	70	73	74	73	66.0
	Minimum	33	36	35	35	39	40	44	50	52	49	51	37	30	36	30	35	43	50	44	43	33	39	33	39	51	42	39	48	40	50	54	41.3
Gary [3]	Maximum	55	67	82	85	89	83	87	61	64	67	85	55	60	70	73	73	76	72	62	62	67	72	77	80	73	71	78	80	81	82	80	73.2
	Minimum	36	29	30	34	38	40	47	50	54	56	54	53	32	30	31	34	34	39	52	46	38	38	35	37	42	47	35	40	41	45	46	40.8
Huntington	Maximum	66	74	81	88	88	86	89	72	68	71	82	73	65	75	77	78	78	73	59	67	68	78	82	81	71	66	80	82	83	83	85	76.4
	Minimum	40	35	39	42	45	47	51	57	61	58	57	49	32	36	39	39	47	58	51	49	39	42	50	48	58	42	42	44	47	52	57	46.9
Logan [3]	Maximum	63	71	82	85	83	88	87	69	66	69	85	55	65	71	75	76	79	76	60	65	74	76	79	84	74	70	80	82	82	83	83	75.4
	Minimum	39	33	34	37	45	47	46	51	52	59	55	53	37	35	36	39	39	43	43	50	43	41	42	45	49	42	42	41	45	45	50	43.8
Madison [3]	Maximum	62	70	80	83	80	85	85	68	65	68	85	58	63	71	73	75	77	75	78	72	67	75	78	77	81	76	78	80	81	82	82	75.2
	Minimum	36	30	32	37	40	41	42	51	54	56	50	51	34	31	32	34	39	44	49	48	42	37	39	43	36	38	36	39	41	44	47	41.1
Mannington	Maximum	59	71	80	87	88	90	90	76	72	70	85	73	62	71	73	75	74	71	62	58	61	72	79	79	74	70	80	80	78	79	74	74.6
	Minimum	37	25	29	31	36	35	36	40	53	50	47	44	27	26	28	30	50	51	48	38	37	31	31	37	43	42	30	34	36	44	48	37.9
Martinsburg	Maximum	55	66	77	78	80	83	77	77	56	58	65	66	59	63	67	69	74	71	65	48	56	60	69	75	71	70	75	72	77	81	82	69.1
	Minimum	44	43	41	42	44	44	47	47	50	51	56	46	38	32	33	36	50	53	41	41	39	37	38	42	42	46	42	46	42	55	54	44.7
Middlebourne	Maximum	60	70	80	87	89	87	89	72	61	69	84	56	62	72	73	74	75	70	62	61	63	73	77	80	71	69	80	80	80	79	72	73.5
	Minimum	37	28	33	35	38	40	40	45	59	59	55	55	31	31	31	35	53	56	49	41	39	34	38	42	52	47	35	39	41	48	54	42.6
Morgantown	Maximum	58	65	78	84	84	88	88	82	75	70	84	80	58	66	70	70	70	64	66	58	61	72	74	78	76	68	78	76	74	76	76	73.1
	Miuimum	40	38	62	42	50	46	46	46	54	50	54	46	30	31	45	42	44	56	46	46	44	36	42	47	48	50	44	54	52	58	60	46.7
New Martinsville	Maximum	60	70	79	87	88	89	89	75	74	69	83	75	61	72	74	75	75	72	66	59	62	74	79	79	68	70	79	81	80	80	71	74.7
	Minimum	40	32	33	40	44	46	43	49	56	54	55	44	33	34	36	36	52	55	48	45	40	37	38	43	53	45	40	42	43	49	56	43.9
Parkersburg	Maximum	59	70	78	84	85	85	87	74	67	67	81	64	63	70	72	75	75	70	63	60	62	74	79	79	67	68	80	79	79	79	75	73.3
	Minimum	41	39	39	40	47	48	48	59	56	55	59	47	31	34	44	41	59	53	49	44	37	37	45	48	52	45	40	45	48	57	58	46.1
Petersburg	Maximum	57	69	80	86	85	87	87	73	59	60	78	69	63	67	70	80	81	76	70	50	57	69	79	79	73	71	76	69	85	84	84	73.3
	Minimum	43	38	31	35	40	39	37	41	49	50	54	44	31	28	29	32	50	50	49	46	39	38	33	38	48	43	37	46	43	50	59	41.6
Pickens	Maximum	59	58	72	74	79	78	80	83	68	84	79	68	54	65	57	68	69	64	55	51	61	72	71	73	67	65	75	75	74	74	75	69.3
	Minimum	37	27	35	48	41	58	52	50	60	57	52	38	25	27	31	34	43	46	37	38	33	42	40	53	47	36	47	37	44	47	51	42.4
Point Pleasant	Maximum	72	69	79	82	85	85	85	82	70	69	82	77	62	71	72	74	75	73	62	64	62	72	79	77	77	63	73	78	80	80	79	74.5
	Minimum	40	35	39	42	45	47	50	57	60	56	56	49	33	34	37	40	54	57	50	48	37	39	49	47	60	43	40	43	49	53	62	46.8
Rainelle	Maximum	55	65	81	83	88	80	84	67	63	65	81	69	60	66	69	71	75	68	59	56	64	69	75	73	67	72	75	75	78	78	76	71.2
	Minimum	36	23	26	30	32	35	40	44	53	51	48	40	25	24	25	27	32	41	46	40	34	32	29	36	35	46	32	37	40	39	40	36.1
Richwood	Maximum																																
	Minimum																																
Spencer [3]	Maximum	60	68	77	84	86	84	86	77	67	82	82	53	60	61	71	74	75	72	59	50	63	72	77	79	72	66	78	78	80	79	79	72.6
	Minimum	37	30	31	34	39	42	41	48	33	34	48	50	29	39	31	34	40	49	47	41	34	34	36	41	47	45	35	42	45	51	46	39.8
Summersville [3]	Maximum	53	70	75	84	84	78	75	72	70	75	83	83	51	72	72	74	68	66	55	64	67	68	73	78	76	79	74	79	80	72	64	72.1
	Minimum	28	23	27	31	33	31	37	44	41	49	43	44	43	25	25	28	36	35	45	36	27	28	34	40	43	26	30	32	38	40	37	34.8
Sutton	Maximum	67	70	81	84	86	86	84	84	74	72	84	84	62	70	72	73	75	75	73	66	65	72	77	78	78	74	80	80	79	80	80	76.3
	Minimum	38	30	31	36	40	41	42	46	53	54	50	46	31	30	32	34	45	49	50	40	41	36	35	41	47	45	35	38	41	45	46	40.9
Wardensville [3]	Maximum	55	67	76	79	80	82	84	84	51	57	72	68	60	61	66	72	75	73	65	65	53	64	73	77	72	72	72	69	80	80	81	70.5
	Minimum	43	35	32	35	39	40	38	41	48	49	50	51	32	28	29	32	42	46	50	42	42	36	30	36	43	48	35	35	45	45	44	40.0
Weston	Maximum	58	68	79	85	85	87	89	85	72	70	85	80	62	71	73	75	74	72	69	59	63	74	79	82	80	70	80	81	80	80	78	75.6
	Minimum	41	31	34	38	42	40	41	49	56	55	50	61	33	30	34	35	54	60	50	47	39	34	40	45	56	52	36	50	41	50	56	44.5
Wheeling [3]	Maximum	58	70	81	86	90	85	85	77	65	69	80	55	62	71	75	73	73	66	65	55	64	72	77	78	68	71	78	77	78	78	76	72.6
	Minimum	44	36	39	42	45	48	48	54	53	55	54	33	34	38	34	39	55	56	41	41	44	40	40	41	47	35	42	41	45	53	62	44.9
Williamson [3]	Maximum	64	74	87	88	92	87	87	67	79	74	87	57	68	74	77	79	80	76	64	65	70	80	82	85	74	72	82	84	85	85	86	77.8
	Minimum	37	34	31	35	42	41	47	51	57	59	56	53	36	34	34	37	39	43	51	51	42	41	42	45	48	46	40	42	43	46	50	43.6

Daily Evaporation (inches) and Wind Movement (miles) for October 1946

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.142	.073	.040	.047	.052	.069	.058	.069	.050	.068	.036	.050	.112	.034	.027	.032	.069	.041	174	.027	.028	.016	.023	.017	.059	.043	.051	.024	.042	.062	.063	1.701
	Wind movement	130	92	65	5	12	22	12	22	85	90	13	19	63	30	12	14	49	97	107	22	12	26	14	20	19	72	26	6	17	41	65	1279
Wardensville	Evaporation	.115	.245	.176	.111	.129	.137	.088	.145	.051	.013	.096	.073	.162	.086	.079	.107	.103	.095	.130	.071	.152	.014	.067	.075	.111	.263	.069	.079	.035	.078	.126	3.049
	Wind movement	70	67	23	24	10	12	9	12	60	23	2	23	28	28	8	10	23	24	57	25	25	6	14	5	10	80	8	8	12	13	25	774

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—12-30-46—925)

INWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LIV NOVEMBER 1946 No. 11

GENERAL SUMMARY

It was the fourth warmest November of record. The mean temperature of 48.4° was exceeded only by the 51.3° in 1931, the 49.1° in 1909, and the 50.3° in 1902. Temperature departures ranged from 9.1° above normal at Huntington and Weston to only 2.1° above normal at Wardensville. No station reported a minus departure. The warm periods were 1-4th, 7-13th and 25-27th. The cold periods were 15-16th, 18-20th, and 23-24th. Minimum temperatures did not decend to nearly so low a figure as usual. The lowest temperatures for the month, even at the mountain stations, were mostly around 15° above zero. Frosty mornings were common. Practically all stations had either a killing frost or a temperature of 32° during the month. Sunshine averaged 50 percent more than normal.

Precipitation was very deficient averaging 61 percent of normal. Practically all of it fell as light showers and was well distributed throughout the month. No snowfall was reported except for a trace at Creston on the 8th, at Kumbrabow on the 12th, and at Hamlin on the 17th.

The weather was very mild and pleasant for the season. It was favorable for the gathering of the last of the crops and for seeding winter grains. Outside work of all kinds progressed without much hindrance from the elements. Because of the high daytime temperatures, there was not as much farm butchering as usual. Farm water supply continued short in many places. Small streams in some areas began to flow a little.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 74 stations, was 48.4°, or 5.1° above the normal. The mean for the northeastern panhandle division was 46.3°; for the northern division, 47.9°; and for the southern division, 49.6°. The highest monthly mean was 54.4° at Alderson and the lowest, 42.0° at Bayard. The highest temperature was 86° at Williamson on the 1st, Ripley on the 2d, and Glenville and Weston on the 3d, and the lowest, 10° at McNeill on the 19th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 111 stations, was 1.67 inches, or 1.08 inches below the normal. In the northeastern panhandle division, the average was 0.84 inch; in the northern division, 1.95 inches; and in the southern division, 1.72 inches. The greatest monthly precipitation was 3.61 inches at Coburn Creek, and the least, 0.40 inch at Petersburg. The greatest amount in any 24 consecutive hours was 1.30 inches at Coburn Creek on the 26th. The average number of days with 0.01 inch or more of precipitation was 7. There was practically no snowfall. Three stations reported a trace.

OBITUARIES

Mr. E. L. Keister was cooperative observer at Brandywine, W. Va., from May 16, 1916, until the time of his death on October 19, 1946. He was born at Brandywine on November 9, 1883, was educated in the public schools of Pendleton County, and became a leading farmer active in community, church and political affairs. His services for over 30 years as observer at Brandywine is an outstanding example of devotion to the advancement of climatological knowledge.

Mr. John L. Ledsome was both river and cooperative climatological observer at Creston, W. Va., from October 1, 1936, to the time of his death on October 26, 1946. He was born August 20, 1866, at Burning Springs, W. Va., and was educated in the public schools at that place. Mr. Ledsome was engaged successively in farm and oil field operations in the Burning Springs area. The Weather Bureau regrets the loss of a very reliable observer.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	3	4	5	10	12	2	5	1	2	..	..	..	7	13	1	3	3	7	10	16	1	3	1	..	3	1	9	7	9	..
Frosts killing	..	..	..	..	2	6	..	..	..	..	..	..	..	1	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	11	2	3	3	..	..	2	..	..	1	..	..	..	2	12	3	2	2	1	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Cincinnati, Ohio	30.65	17	29.61	7	6.3	24	nw.	22	85	61	70	36	432
Columbus, Ohio	30.67	18	29.64	7	9.2	31	sw.	22	85	65	74	57	516
Elkins	30.64	18	29.70	8	6.4	34	w.	22	90	55	76	64	571
Huntington Airp't.	30.63	18	29.69	7	.....	19	w.	8	88	51	71	....	455
Parkersburg	30.66	18	29.68	7	5.8	20	nw.	11†	81	55	65	53	463
Petersburg, W. Va.	30.69	18	29.69	8	.....	33	w.	22	84	46	65	....	513
Pittsburgh, Pa	30.66	18	29.67	7	9.9	32	sw.	22	80	59	64	37	498

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	.....	8	..	..	..
1892	41.7	81	3	2.64	5.59	2.79	3.10	.....	..	..	..	..
1893	41.4	74	3	2.44	2.27	1.77	2.12	.. ...	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	.....	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	.....	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	.....	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	.....	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	.....	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37.3	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1.84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1.5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
1941	44.3	80	6	2.31	2.40	2.17	2.31	.2	7	14	6	10
1942	44.7	80	9	2.12	4.49	3.65	3.81	.2	12	8	8	14
1943	41.1	83	2	1.73	2.37	1.98	2.12	2.3	7	11	8	11
1944	42.5	79	5	1.61	2.52	2.08	2.22	2.4	12	7	6	17
1945	44.9	84	4	3.94	5.80	5.05	5.29	3.1	14	8	8	14
1946	48.4	86	10	0.84	1.95	1.72	1.67	T.	7	14	7	9
Period	43.3	88	−14	2.17	2.99	2.68	2.75	2.3	9	11	7	12

Climatological Data for November 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	42.0	+2.9	77	3	11	19	1.61	−1.39	0.45	26	0	9	14	6	10	w.	Howard R. Fulk
Berkley Springs	Morgan	640	2	47.4	.....	73	1	19	19	0.72	.....	0.18	27	0	9	16	6	8	w.	Hammond Shriver
Brandywine	Pendleton	1,586	30	44.6	+2.6	76	4	11	21†	0.68	−1.10	0.30	17	0	4	9	15	6	n.	E. L. Keister
Harpers Ferry	Jefferson	400	57	.....	.....	.....	.....	.....	.....	1.15	−1.04	0.35	18	0	7	.....	.....	.....	.....	Miss Eleanor White
Inwood	Berkeley	569	13	47.6	.....	76	2	19	19†	0.88	.....	0.32	17	0	6	11	17	2	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	47.6	+2.6	81	3	20	19†	0.88	−1.72	0.30	17	0	8	15	6	9	s.	University Exper. Station
Martinsburg	Berkeley	545	54	47.0	+3.8	74	4	19	24	1.10	−1.15	0.36	8	0	7	18	6	6	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	46.1	+3.8	80	3	10	19	1.68	+0.13	1.05	27	0	6	13	9	8	w.	R. E. Saville
Petersburg	Grant	1,029	7	47.6	...	75	2†	16	19	0.40	.....	0.10	17†	0	6	11	8	11	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	44.6	+2.4	71	2	20	19	0.63	−1.26	0.18	7	0	7	16	2	12	s.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	1.32	−1.63	0.41	26	0	5	10	9	11	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	46.0	+2.1	73	2	16	19	0.52	−1.11	0.30	17	0	6	16	13	1	.....	Reymann Memorial Farm
Means and Extremes	.....	.....	...	**46.3**	.....	**81**	**3**	**10**	**19**	**0.84**	.....	**1.05**	**27**	**0**	**6**	**14**	**9**	**7**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	1.95	−1.39	0.62	17	0	8	15	8	7	....	L. Esle Bond
Benson	Harrison	1,080	21	49.0	+5.9	83	3	17	23	1.98	−1.51	0.66	17	0	9	14	8	8	.....	R. D. Marts
Bens Run	Preasants	652	45	49.2	+5.1	81	3	24	23	1.85	−1.04	0.50	7	0	7	23	5	2	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	45.0	.....	78	3	18	18	2.63	.....	0.85	27	0	8	.....	.....	.....	....	James I. Galloway
Brownsville‡	Lewis	1,032	22	48.8	+4.2	80	3	18	23	2.06	−1.61	0.72	17	0	9	15	8	7	s.	M. D. Hawkins
Buckhannon	Upshur	1,469	55	48.1	+5.9	81	3	19	23	2.01	−1.09	0.60	17	0	7	19	3	8	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	40	48.6	+4.9	83	3	18	23	1.20	−1.68	0.54	26	0	5	22	4	4	....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	2	43.3	.....	75	3	11	18	1.89	.....	0.55	17	0	10	4	20	6	w.	George B. Thompson
Clarksburg	Harrison	1,015	23	46.0	+2.3	81	3	20	19	1.32	−1.56	0.45	17	0	7	18	3	9	w.	Clarksburg Water Board
Creston	Wirt	640	45	49.0	+4.8	79	2†	17	14	1.94	−0.81	0.55	26	T	10	14	6	10	..	J. L. Ledsome
Dam 10 Mon. R	Monongalia	826	24	48.5	.. ..	84	3	22	23	1.85	−1.30	0.65	26	0	11	17	6	7	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	1.63	−0.75	0.76	26	0	10	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	1.71	−1.58	0.47	17	0	10	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.. ..	....	.....	.....	.....	.....	1.82	−0.82	0.68	7	0	9	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	1.79	−0.81	0.61	17	0	9	.....	.....	.....	.....	Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	1.85	−0.69	0.60	27	0	7	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	47	45.9	+6.6	80	3	18	19	1.57	−1.21	0.48	17	0	8	10	7	13	w.	U. S. Weather Bureau
Fairmont	Marion	1,023	54	48.9	+6.0	83	3	21	23	1.40	−1.36	0.55	7	0	6	12	10	8	sw.	Monongahela Power Co
Glenville	Gilmer	738	58	51.6	+7.3	86	3	19	23	2.00	−1.05	0.61	17	0	7	15	6	9	w.	Howard R. Brannon
Harrison County Airport	Harrison	1,188	6	47.7	.....	80	3	21	23	1.73	.....	0.66	17	0	7	11	10	9	sw.	U. S Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	2.09	−0.77	0.73	26	0	9	15	3	12	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	22	.....	.....	.....	.....	.....	.....	1.85	−1.47	0.56	17	0	8	.....	.....	.....	.....	Reta Goldsmith
Mannington, 1½ mi. NW	Marion	974	44	47.2	+5.2	83	3	15	23	2.47	−0.57	0.92	27	0	11	15	3	12	w.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	5	48.4	...	83	3	16	23	2.08	.....	0.56	26	0	8	16	2	12	se.	L. A. Crumrine
Morgantown, 2 miles N	Monougalia	1,250	70	49.4	+5.6	80	3	23	23	1.67	−0.86	0.40	26	0	9	3	11	16	..	State Dairy Farm
New Cumberland	Hancock	671	51	49.0	+7.4	81	2	21	23	1.56	−0.76	0.67	26	0	9	12	7	11	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	48.8	+4.0	85	3	21	23	1.75	−1.09	0.45	7	0	7	16	4	10	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	49.8	+6.0	82	3	26	23	1.53	−1.04	0.56	7	0	7	10	8	12	se.	Section Center
Parsons	Tucker	1,649	47	47.2	+6.0	82	3	19	19	1.77	−1.16	0.56	17	0	11	12	9	9	nw.	D. A. Oliver
Philippi	Barbour	1,500	52	.....	.....	.....	.....	.....	.....	1.70	−1.23	0.55	26	0	6	.....	.....	.....	..	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	47.2	+6.8	81	3	18	23	3.28	−0.94	1.01	27	0	8	14	8	8	w.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	1.78	−1.59	0.72	17	0	5	18	6	6	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	61	46.9	.....	89	3	22	23†	2.31	−1.24	0.78	17	0	8	.....	.....	.....	nw.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	2.22	−0.58	0.65	26	0	8	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	1.59	−1.40	0.70	26	0	11	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	49.6	+4.6	84	3	19	23†	1.68	−1.59	0.60	17	0	7	15	6	9	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	45.0	+3.2	80	2	16	18	3.23	+0.66	1.23	26	0	6	13	1	16	.....	George P. Pfister
West Milford‡	Harrison	979	20	.....	.....	.....	.....	.....	.....	1.88	−1.73	0.67	17	0	8	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	55	53.1	+9.1	86	3	23	19†	1.62	−1.32	0.54	17	0	7	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	47.0	+4.8	84	3	22	23	1.79	−0.64	0.71	26	0	9	15	4	11	sw.	Lockmaster
Means and Extremes	.....	.....	...	**47.9**	.....	**86**	**3**	**11**	**18**	**1.95**	....	**1.30**	**26**	**T.**	**8**	**14**	**6**	**10**	w.	
Southern Division																				
Alderson	Monroe	1,570	2	54.4	....	85	1	18	24	1.72	....	1.20	17	0	5	14	13	3	.....	John E. Foster
Arbovale	Pocahontas	2,727	23	.....	.....	.....	.....	.....	.....	1.62	−1.46	0.77	17	0	5	19	3	8	sw.	H. S. Sutton
Athens	Mercer	2,600	6	49.6	.....	76	3	23	23	1.30	.....	0.74	17	0	7	18	5	7	nw.	Concord College
Bluefield	Mercer	2,558	51	51.6	+6.7	74	3†	25	23	1.62	−0.43	0.73	17	0	8	18	5	7	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	4	49.4	.....	84	3	·24	24	1.55	.....	0.81	17	0	7	15	7	8	.....	Willard F. Russell
Charleston	Kanawha	615	59	51.4	+3.5	85	1	24	23	1.93	−1.14	0.67	26	0	8	19	3	8	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	50.8	.....	85	1	21	23	2.21	.....	0.83	26	0	7	8	11	11	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	42.4	.....	74	3	15	19	3.25	.....	1.10	17	0	5	15	9	6	ne.	Department of Justice
Flat Top	Mercer	3,270	8	45.9	.....	75	3	20	23	1.97	....	0.82	17	0	8	.....	.....	.....	...	U. S. Airway Station
Gary	McDowell	1,426	29	50.0	+5.0	82	1	24	14†	1.31	−1.39	0.30	17	0	7	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	530	7	50.6	....	83	1	21	23	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	State Forest Nursery
Hamlin	Lincoln	642	3	49.4	.....	82	1	19	23	1.87	.....	0.93	27	T.	5	18	6	6	....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	52.4	+8.3	85	3	25	19	1.28	−1.13	0.79	17	0	8	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	53.4	+9.1	85	1†	27	19†	1.28	−1.24	0.40	17	0	5	9	15	6	nw.	H. N. Robinson
Kayford	Kanawha	1,335	29	.....	...	.....	.....	.....	.....	1.57	−1.58	0.52	18	0	5	.....	.....	.....	.....	Truax-Traer Coal Co.
Logan	Logan	700	33	52.0	+4.7	85	1	26	23†	1.77	−1.46	0.64	17	0	7	18	5	7	.....	J. W. Ruff
London Locks	Kanawha	623	11	50.0	.....	83	1	24	23†	1.38	−1.53	0.51	17	0	7	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	25	50.2	+6.7	84	1	22	23	3.10	+0.45	0.80	7	0	6	.....	.....	.....	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	48.4	.....	76	1	23	23	1.39	.....	0.27	27	0	8	11	6	13	.....	M. H. Martin
Pineville	Wyoming	1,350	4	49.2	.....	82	1†	22	22†	1.78	.....	0.38	27	0	6	..	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	56	50.0	+4.7	80	1†	25	23	1.55	−1.28	0.55	7	0	10	14	3	13	w.	E. C. Winger
Rainelle	Greenbrier	2,424	15	46.0	+5.7	79	3	18	24	2.25	−0.74	0.84	17	0	7	18	6	6	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	50.0	+4.3	82	3	23	18†	1.53	−1.19	0.50	8	0	8	....	..	..	sw.	Lockmaster
Richwood	Nicholas	2,193	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	49.6	.....	86	2	17	23	1.55	.....	0.54	7	0	5	.....	.....	.....	.....	Richard Church
Spencer	Roane	789	17	48.6	+4.5	79	1†	17	23	2.06	−0.61	0.61	17	0	9	15	10	5	.....	A. M. McKown
Summersville	Nicholas	1,900	10	44.0	....	84	27	18	14†	1.42	.....	0.45	27	0	5	9	17	4	.....	A. E. Dorsey
Sutton	Braxton	850	43	50.9	+6.9	83	3†	19	23	2.00	−1.20	0.72	26	0	6	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	42	47.2	+4.8	79	3	19	15	1.65	−0.69	1.08	17	0	7	17	4	9	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	14	50.2	.....	83	3	23	23†	1.63	.....	0.63	17	0	5	18	4	8	se.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	32	49.0	+6.9	81	3	19	19†	1.73	−0.55	0.94	17	0	8	9	13	8	w.	Chesapeake & Ohio Ry.
Williamson	Mingo	673	45	52.5	+6.9	86	1	23	20	2.09	−0.73	0.72	17	0	7	20	3	7	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	50.7	.....	82	1	24	23	1.59	.....	0.64	26	0	8	.....	.....	.....	w.	Lockmaster
Means and Extremes	.....	.....	...	**49.5**	.....	**86**	**1†**	**15**	**19**	**1.72**	.....	**1.20**	**17**	**T.**	**7**	**15**	**8**	**7**	w.	
State Averages and	Extremes	.....	..	**48.4**	**+5.1**	**86**	**1†**	**10**	**19**	**1.67**	**−1.08**	**1.30**	**26**	**T.**	**7**	**14**	**7**	**9**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated.

Daily Precipitation for November 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.28			T.	T.		.15	.08	T.	T.	.06	.06					.37	T.				.16				.20	.25					1.61
Berkeley Springs	do	.04			.02			.01	.12			.12						.17					.06				.17	.01					0.72
Brandywine	do							.20				.03						.30															0.68
Brushy Run[2]	do	.02				T.			.17				.03					.10	.06				.08	.03			.15						0.58
Harpers Ferry [2]	do			.02					.14				.19					.15	.35				.05					.09					1.15
Inwood	do								.20			.05	.16					.32										.25					0.88
Kearneysville	do	T.						.01	.16			.07	.22					.30					.02				.15	T.					0.88
Knobly Mountain[2]†	do	.18	T.						.14			T.	.06					.05	T.				.08				.05	.05					0.65
Martinsburg [4]	do	T.		.04	T.			.19	.17			.20						.30					.03					.14					1.10
McNeill†	do	.16						.14			.15							.08					.10				.17						1.68
Petersburg	do	.06			T.			.08	T.	T.	T.	.04						.10					.02				T.	1.05					0.40
Piedmont	do	.10		T.				.18				.01	T.					.16					.05				.10	.03					0.63
Romney	do	.06						.05	.10			.03	.08					.09					.08				.07	.14					0.70
Springfield	do	.03	.02						.10				.06					.08	.04				.05	.06				.12					0.56
Spruce Knob [2]†	do				T								T.					.32	.14				.28					.27					1.01
Stony River Dam [2]†	do	.27							.15									.32					.17					.41					1.32
Wardensville [2]	do	.04	.02						.11			.05						.18	.12														0.52
Northern Division																																	
Aberdeen	West Fork	T.			T.			.23	.05			.18	.02					.62					.19				.14	.52					1.95
Bellington [2]	Tygart	.04	T.			.01			.22	T.		.01	.09					.46	.10				.16	.04				.42					1.55
Benson†	West Fork	.07						.35	.10			.18	.02					.66					.10				.30	.20					1.98
Bens Run	Ohio	.34						.50				.09	.08					.38					.08				.38						1.85
Big Skin Creek†	West Fork	.03										.19	.02					.63					.17				.55	.16					1.75
Brandonville[2]	Cheat	.24				T.			.47	.08		T.	.22					.47	.10				.20					.85					2.63
Brownsville [2]†	West Fork							.39	.02	.03		.16	.02					.72					.12				.22	.38					2.06
Buckhannon	Tygart	.04	T.		T.			.31	T.			.17	T.		T.			.60					.23				.39	.27		T.			2.01
Cairo	Litl.Kanawha							.40	.08			T.	.10					.08									.54						1.20
Canaan Valley	Cheat	.11			.04			.16	.04			.20	.03					.55					.29				.24	.23					1.89
Clarksburg [2]	West Fork	.05							.35	T.		T	.10					.45					.05				*	.32					1.32
Crawford	do							.40				.17						.50					.24				.21	.24					1.76
Creston [2]	Litl.Kanawha	.10			T.		T.	.10	.50	.02	T.	.02	.01					.50	.01				.13				T.	.55					1.94
Dailey [2]†	Tygart	T			T.	T.			.22			T.	T.					.40	.10				.17	T.				.40					1.29
Dam 10, Mon. R. [2]†	Monongahela	.25	.03					T.	.33	.01		.06	.10					.32	.05				.03	.02				.65					1.85
Dam 13, O. R. [2]†	Ohio	.14	.03					T.	.31	.01		.01	.02					31	.01				.01				.02	.76					1.63
Dam 15, Mon. R. [2]†	Monongahela	.15	.04					T.	.31			.03	.11					.42	.05				.10	.04				.46					1.71
Dam 19, O. R. [2]†	Ohio	.15	.04					.09	.59			.04	T.					.38					.06				.07	.40					1.82
Dam 20, O. R. [2]†	do	.15	.02					.05	.58			.03	.03					.61					.05				T.	.27					1.79
Elizabeth (Dam 3)[2]	Litl.Kanawha							.10	.38				.15					.50					.07				.05	.60					1.85
Elk†	West Fork							.44				.20						.55									.99						2.18
Elkins [1]†	Tygart	.03			.03			.27	T.	T.	T.	.10	T.				T.	.48				.01	.18				.47	T.					1.57
Fairmont [2]	Monongahela				T.			.55	T.		.03	.12	T.				T.	.38					.05				.27						1.40
Glenville [2]	Litl.Kanawha	.04						.43	T.			.15						.61					.24				.46	.07					2.00
Hackers Creek †	West Fork	.02			.03			.09			.02	.49						.59					.21				.20	.30					1.95
Hall [2]	Tygart	.08				T.			.26	.02		.03	.09					.50	.11				.19					.49					1.77
Harrison Co. Arpt. [4]	West Fork	.07			T.			.39	T.	T.	T.	.12	T.				*	.66				T.	.08				.41						1.73
Hastings	Ohio	.30						.22	.20		.01	.13						.42					.08				.39	31					2.09
Horner	West Fork							.38				.22						.42					.06				.20	.45					1.73
Ireland	do							.20				.15						.55					.47				.41						1.78
Jane Lew	do	.07						.31	.05	T.		.14	T.					.56					.15				.26	.31					1.85
Kumbrabow St. For.†	Tygart				.09	.06		.28	.10	.03		.35	.09					.96					.56				.33	.50					3.35
Mannington	Monongahela	.29						.40	.03	.01	.05	.16	.01					.55					.05				.33	.59					2.47
Middlebourne [2]	MiddleIs.Creek	.20						.16	.45			.04	.11					.48					.08				T.	.56					2.08
Midvale [2]†	Tygart	.02			.02	.06			.38			.02	.20					.44	.18				.24	T.				.51					2.07
Morgantown	Monongahela	.30			T.			.34	.01		.02	.11	T.					.30					.02				.40	.17					1.67
Mt. Clare	West Fork	.05			.17			.45	T.			.12						.65					.12				.36	.06					1.98
New Cumberland	Ohio	.04			T.			.21	.02		.03	.13						.31					.06		.09		.67						1.56
New Martinsville	do	.28			T			.45	T.		.07	.14	T.					.41					.05		T.		.35						1.75
Parkersburg[1]†	do	.13			T.			.56	T.		T.	.04					.13	.25				T.	.02		T.		.40						1.53
Parsons	Cheat	.13		T.	.03	.01		.12	.02	T.	T.	.10	.04					.56	T.				.21				.23	.32					1.77
Philippi [2]	Tygart	.05			T.	T			.25	T.		T.	.11	T.				.40	.10				.24	T.				.55					1.70
Pickens	do				.10			.40			.37	.07						.88					.45				.53	.48					3.28
Roanoke	West Fork	T.			T.				.39			.20						.72					.15				.32						1.78
Rockford †	do	T	T.		T.			.34	T.			.15					T.	.55					.20				.45	.11					1.80
Rowlesburg [2]	Cheat	.11	T.		T.	T.		T.	.42	T.	T.	.04	.26					.54	.24				.15	T.				.55					2.31
Saint Marys [2]	Ohio	.30	.10					.07	.50			.10						.39					.11					.65					2.22
Salem	West Fork							.57			T.	.19						.68					T				.94	.15					2.53
Shinnston	do	.16			.04			.40	T.		T.	.14						.40				T.	.04				.36	T.					1.54
Thomas [2]	Cheat	.03	.10		.03	.03			.05				.15					.39	.03				.05	.03				.70					1.59
Valley Chapel	West Fork	.06						.29	.05			.13						.60					.17					.38					1.68
Valley Head [2]	Tygart					.06			.34			.05	.13					.59	.18				.25	.06				.50					2.16
Vandalia†	West Fork							.43				.16						.64					.22				.34	.29					2.08
Wellsburg (near)	Ohio	.16						.29	T.			1.11						.39					.05			T.	1.23						3.23
West Milford	West Fork							.35	.08			.15	.02					.67					.15				.25	.21					1.88
Weston [2]	do	.05	T.			T.			.38				.16					.38	.16				.10	T.				.39					1.62
Wheeling (Dam 12)[2]	Ohio	.15	.01					T.	.36	.01		T.	.05					.36	T.				.04				.10	.71					1.79
Southern Division																																	
Alderson	Greenbrier								.22			.10	.15					1.20	T.								.05							1.72
Arbovale	do				T.			.33				.13						.77					.04					.35						1.62
Athens	New							.12	.10			.20						.74	.05			.01					.08						1.30
Bluefield	do							.17	T.			.18	.03					.73	.10			.01	.09					.31					1.62
Bluestone Dam	do								.27			.17	.09					.46	.35				.04	T.			T.	.17					1.55
Camden-on-Gauley [2]	Gauley					12			.22				.20						.35				.12	.16			.05	.38					1.60
Charleston	Gr. Kanawha								.29			.05	.10					.56	.09				.17				.07	.60					1.93
Charleston (Airport)[4]	do				T.			.31			T.	.15					.30	.49			.07	.06				.83						2.21
Clay	Elk								.18			.43											.19	.06			.09	.52					1.47
Cranberry Glades	Cranberry							.33				1.08						1.10					.20				.54						3.25
Flat Top[4]	New							.26	.03			.41	T.				T.	.82				*	.08				.21	.16					1.97
Gary [2]	Big Sandy								.18			.20	.06					.30	.28				.05				T.	.24					1.31
Greenbottom †	Ohio							.43					.09																				
Hinton [2]	New								.23			.06						.45	.34				.05	.01			.09	.05					1.28
Huntington	Ohio	T.						.36			T.	.12						.40				T.	.01				.39						1.28
Kayford [2]	Gr. Kanawha							.20					.22						.52				.18					.45						1.57
Logan [2]	Guyandot								.26			.25	.09						.64				.08				T.	.45					1.77
London Locks[2]†	Gr. Kanawha								.21			.09	.13					.35	.16				.18	T.			T.	.26					1.38
Madison [2]	Coal								.80				.70					.60	.50				.40					.10					3.10
Oak Hill[2]	New					.02			.23			.21	.06					.20	.24				.16					.27					1.39
Pineville [2]	Guyandot								.35			.29						.29	.34				.13				T.	.38					1.78
Point Pleasant [2]	Ohio	.10			T.			.02	.53	.02		.04	.02					.53					.02				.02	.25					1.55
Princeton[2]	New								.30			.10	.05					.21	.47				.04					.15					1.32
Rainelle	Greenbrier				T.			.32	.04			.30						.84					.22				.38	.15					2.25
Ravenswood [2]	Ohio	.08						.02	.50			.03						.43					.06				.05	.36					1.53

Continued on next page.

Daily Precipitation for November 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley											.26	.14					.55	.27				.32				.36						§§
Ripley	Ohio							.54	.02			.06						.47					T.				.46						1.55
Seneca State Forest†	Greenbrier																																2.06
Spencer [2]	Litl.Kanawha	T.				T.		.02	55		.02	.02	.07					.61	T.				.12				.07	.58					1.42
Summersville [3]	Gauley							.25					.32					.30	.10				T.					.45					2.00
Sutton	Elk							.38				.18						.47					.25				.15	.57					1.65
Union [2]	New						.23					.15	.06					.61	.47				T.				.07	.06					1.09
Wayne [2]	Twelvepole						.10					.10						.50	.07				.01				.08	.23					1.63
Webster Springs	Elk				T.			.29				.18	T.					.63					.17				.36	T.					1.73
White Sulp'r Spgs.	Greenbrier							.28	.05			.20	T.					.94	.05				.06				.08	.07					1.73
Williamson [2]	Big Sandy								.28			.38	.09					.38	.34				.12					.50					2.09
Winfield Locks [2†]	Gr. Kanawha						T.	.31				.03	.06					.46	.03				.06				.02	.62					1.59

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest Clover Lick; Spruce Knob, Circleville, Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for November 1946

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	60	72	77	62	50	60	61	58	43	64	65	54	41	45	54	57	52	40	55	58	64	51	35	59	62	70	56	54	50	61	....	56.3
	Minimum	46	36	37	41	34	23	26	41	36	25	44	32	30	29	22	15	36	12	11	18	13	33	16	15	28	23	34	23	28	21	..	27.6
Bluefield	Maximum	71	69	74	74	65	67	63	62	60	68	72	55	45	50	59	55	58	51	55	58	59	55	44	55	64	70	68	58	60	58	....	60.7
	Minimum	56	57	58	58	46	32	52	49	42	53	42	36	38	32	30	41	48	36	31	34	42	41	25	32	46	50	46	30	46	42	....	42.4
Brandywine	Maximum	74	73	75	76	69	65	62	66	62	72	64	64	62	58	56	56	52	48	58	62	64	58	49	57	69	65	67	63	61	66	....	63.1
	Minimum	45	41	40	40	27	18	27	34	30	21	42	32	16	18	13	12	35	16	17	14	11	40	12	11	34	32	31	14	22	25	....	26.0
Buckhannon	Maximum	76	78	81	66	52	65	66	65	55	76	69	50	48	53	58	61	58	47	64	63	70	60	39	65	68	70	57	61	58	67	..	62.2
	Minimum	55	47	43	53	32	24	39	45	42	33	50	38	37	28	24	22	39	23	20	27	22	37	19	21	41	40	39	24	28	27	....	34.0
Cairo	Maximum	78	81	83	78	75	72	69	65	55	78	74	74	58	56	55	62	51	59	65	65	67	62	56	65	68	68	53	54	59	67	....	65.7
	Minimum	56	52	45	44	31	27	27	39	34	45	49	32	31	24	23	26	19	23	27	24	20	19	18	22	39	40	39	22	24	26	....	31.6
Charleston (Airport)	Maximum	85	82	82	68	61	72	67	62	64	80	70	46	54	57	64	64	55	51	67	66	73	57	48	69	73	66	56	62	62	72	....	65.2
	Minimum	54	54	52	52	35	31	50	50	38	37	45	41	32	28	30	31	32	28	28	30	32	29	21	26	39	45	32	28	30	31	...	36.4
Clarksburg [3]	Maximum	74	79	81	66	56	63	64	57	52	74	66	44	48	53	57	60	54	47	61	61	67	46	38	65	69	68	49	55	57	66	....	59.9
	Minimum	53	46	44	46	32	29	29	45	43	35	37	39	31	33	29	26	31	24	20	21	25	25	21	21	23	40	41	23	23	28	..	32.1
Cranberry Glades	Maximum	65	65	74	70	55	69	56	56	56	60	59	50	50	40	40	50	49	49	54	60	57	54	38	53	63	63	54	53	55	58	....	55.8
	Minimum	45	45	41	45	34	19	32	30	36	25	43	30	30	22	22	19	30	20	15	21	19	35	21	17	29	31	31	24	25	35	....	29.0
Elkins	Maximum	74	73	80	64	53	66	63	63	53	74	68	44	46	50	60	57	53	52	64	63	67	54	38	63	68	71	52	62	55	68	....	60.6
	Minimum	54	48	41	46	30	24	37	44	31	30	43	35	27	34	25	21	30	19	18	24	19	29	20	18	36	36	38	26	28	25	....	31.2
Fairmont [3]	Maximum	72	80	83	68	60	65	59	62	50	75	66	52	50	58	61	60	57	47	65	64	70	67	40	66	66	65	58	56	56	68	....	62.2
	Minimum	52	50	45	55	32	31	38	36	44	37	52	40	31	32	32	26	39	25	23	27	26	38	21	24	44	44	41	26	33	28	....	35.6
Flat Top	Maximum	69	62	75	62	55	61	54	58	58	68	59	45	44	46	55	53	50	48	51	60	58	50	39	55	63	68	53	57	57	62	....	56.5
	Minimum	51	52	54	48	38	31	42	43	38	32	45	32	31	29	22	35	36	30	27	30	29	33	20	24	39	44	37	25	33	29	....	35.3
Gary [3]	Maximum	82	75	80	70	65	73	62	65	66	80	65	43	50	66	66	63	55	58	65	64	70	53	48	66	70	77	54	63	65	72	..	65.0
	Minimum	49	46	48	54	41	29	31	47	39	34	46	40	40	24	26	26	31	37	28	29	28	28	24	24	28	35	47	29	28	27	....	34.9
Glenville	Maximum	80	83	86	81	62	73	64	65	62	79	72	54	54	58	64	62	49	53	58	60	57	59	68	69	73	73	74	72	75	72	..	67.0
	Minimum	57	50	48	57	36	30	42	41	46	36	53	41	36	25	24	26	41	22	26	29	28	28	19	23	48	48	39	41	25	22	....	36.2
Grafton	Maximum	72	77	78	66	66	62	58	62	48	75	67	52	46	51	55	60	58	49	62	59	66	57	37	65	66	70	62	56	55	66	....	60.8
	Minimum	52	43	41	53	31	25	33	46	40	32	47	32	32	26	26	23	38	20	21	25	21	37	20	20	42	38	41	20	26	26	..	32.6
Huntington	Maximum	85	85	85	75	66	70	65	66	60	75	70	51	52	60	67	62	59	54	65	68	73	64	50	69	75	66	60	62	62	71	....	66.4
	Minimum	59	57	52	56	40	35	52	53	39	42	51	42	37	32	32	35	42	29	27	33	33	42	27	29	49	50	41	29	32	31	....	40.3
Lewisburg	Maximum	73	70	78	70	64	68	57	64	63	70	64	56	50	56	58	56	50	51	56	60	63	57	45	59	66	71	70	56	63	62	....	61.5
	Minimum	49	53	52	53	35	26	43	45	40	34	47	35	35	27	21	26	41	31	20	26	25	39	22	21	28	39	46	25	28	28	....	34.7
Logan [3]	Maximum	85	80	82	70	63	73	67	65	66	72	71	47	55	58	65	61	62	53	67	64	72	59	52	69	72	76	58	52	64	69	....	65.6
	Minimum	51	54	54	59	49	34	34	52	39	35	40	40	42	31	31	32	34	31	29	29	33	34	26	26	46	44	46	35	30	31	....	38.4
Madison [3]	Maximum	84	83	82	70	65	72	67	68	64	79	72	46	52	55	62	60	62	50	63	64	70	50	60	67	71	75	53	55	59	69	..	65.0
	Minimum	49	50	51	50	44	29	33	53	44	33	53	40	38	25	25	27	28	27	25	27	30	31	22	23	34	42	42	30	28	28	....	35.4
Mannington	Maximum	73	79	83	69	58	65	57	63	79	78	69	53	51	55	60	58	55	49	64	66	68	57	41	65	64	67	61	57	56	68	....	62.9
	Minimum	51	43	40	51	28	25	30	48	45	31	50	38	29	22	23	21	39	17	17	22	20	37	15	18	38	37	39	20	24	24	..	31.4
Martinsburg	Maximum	61	68	70	74	57	65	54	65	53	58	65	50	53	54	53	53	55	45	52	58	62	57	42	53	66	66	60	56	55	53	...	57.8
	Minimum	46	51	54	52	44	36	36	47	39	33	48	45	33	39	28	26	38	26	20	25	24	46	25	19	38	38	41	30	30	28	....	36.2
Middlebourne	Maximum	73	80	83	74	60	67	63	56	53	76	64	46	51	55	60	59	50	50	65	65	68	45	40	65	63	66	52	54	56	67	....	60.9
	Minimum	54	57	46	55	33	28	38	52	45	36	54	40	34	24	25	27	50	19	21	26	25	41	16	22	48	44	40	22	24	28	....	35.8
Morgantown	Maximum	77	76	80	70	55	61	61	61	48	70	68	51	47	51	51	58	50	46	62	61	67	57	36	61	61	65	56	53	62	63	....	59.5
	Minimum	52	61	59	54	36	33	42	46	41	39	50	40	36	36	32	36	38	24	34	35	29	36	28	28	53	51	38	28	35	32	....	39.2
New Martinsville	Maximum	69	81	85	74	59	67	58	61	51	72	62	49	50	57	60	60	58	49	65	65	68	58	40	65	60	63	54	54	58	68	....	61.3
	Minimum	53	56	47	55	36	31	40	48	45	35	49	40	30	34	31	28	33	25	23	28	30	36	21	24	48	44	40	24	28	30	....	36.4
Parkersburg	Maximum	78	79	82	65	57	66	63	60	55	72	62	47	52	56	59	60	55	48	61	64	68	57	42	65	64	64	53	55	54	66	..	60.9
	Minimum	55	58	54	48	40	33	47	47	43	43	43	42	39	36	30	35	33	28	27	32	31	31	26	31	50	44	39	27	34	33	....	38.6
Petersburg	Maximum	61	75	75	70	61	66	58	66	57	70	74	51	55	57	58	58	56	46	57	68	67	57	45	62	74	75	62	66	62	64	....	62.4
	Minimum	50	44	51	50	34	28	32	47	35	31	50	29	29	33	25	21	33	21	16	22	20	36	25	18	40	38	37	29	31	25	..	32.7
Point Pleasant	Maximum	80	80	78	57	65	65	61	58	71	70	51	52	55	60	62	61	48	59	60	65	64	44	26	39	65	70	67	60	55	55	65	64	..	62.2
	Minimum	57	57	52	56	38	35	49	53	46	43	50	41	35	32	30	36	44	26	26	31	30	42	25	31	50	47	41	26	31	30	....	37.7
Rainelle	Maximum	73	69	79	64	60	66	58	54	59	63	70	61	49	47	55	59	55	50	53	57	65	62	53	44	55	68	71	56	60	62	66	..	60.2
	Minimum	45	47	53	49	39	23	38	34	40	28	48	33	33	23	20	26	38	30	22	25	22	35	20	18	27	33	32	25	23	25	....	31.8
Spencer [3]	Maximum	79	79	79	65	68	65	64	57	55	75	68	47	53	55	62	60	53	49	63	62	68	47	43	77	70	64	52	57	57	68	....	62.0
	Minimum	56	58	48	54	34	28	34	54	44	37	39	39	36	27	24	28	47	22	21	26	23	40	17	21	38	47	38	22	27	25	..	35.1
Summersville [3]	Maximum	79	74	62	58	66	62	60	61	63	59	65	43	47	51	63	59	45	59	57	64	59	42	65	72	72	84	51	61	54	51	...	60.3
	Minimum	38	35	40	35	31	22	29	28	37	41	34	36	34	18	19	19	21	21	18	20	18	21	19	18	33	33	40	21	22	26	...	27.7
Sutton	Maximum	81	81	83	83	73	66	66	66	62	77	77	60	54	55	55	62	62	53	55	67	68	68	55	68	68	67	61	61	58	70	....	66.1
	Minimum	51	49	45	57	38	29	44	50	46	33	52	40	36	25	25	24	43	24	21	27	24	45	19	22	36	42	45	27	26	26	....	35.7
Wardensville [3]	Maximum	56	73	70	70	59	66	58	65	56	65	72	48	53	55	55	57	55	45	55	64	63	54	47	57	69	71	65	60	61	52	....	60.1
	Minimum	50	46	50	45	45	27	30	41	46	29	43	35	33	30	24	19	27	21	16	21	20	31	27	18	27	35	35	32	29	25	.	31.9
Weston	Maximum	81	83	86	80	61	66	69	60	58	78	72	65	58	56	60	64	60	52	68	65	70	65	56	68	70	71	68	61	60	70	..	66.7
	Minimum	56	50	48	60	34	30	46	56	45	37	62	40	42	29	28	26	52	25	23	29	25	55	23	24	52	55	44	29	31	30	.	39.5
Wheeling [3]	Maximum	64	80	84	66	56	66	57	56	49	70	60	51	51	54	58	59	47	47	64	64	65	43	39	65	58	60	52	50	48	65	....	58.3
	Minimum	53	53	48	48	36	33	33	46	45	40	44	41	33	36	31	30	33	25	25	26	30	32	22	23	33	48	39	26	26	30	....	35.6
White Sulphur Spgs.	Maximum	79	72	81	71	65	67	60	64	65	71	65	58	50	56	61	67	52	53	57	63	64	58	49	62	68	72	68	62	63	67	....	63.7
	Minimum	46	55	55	51	37	24	41	46	43	29	47	39	36	30	20	21	43	33	19	24	20	44	25	19	25	35	50	24	22	24	....	34.2
Williamson [3]	Maximum	86	83	84	72	70	74	68	65	67	81	70	48	58	61	68	61	54	57	68	69	73	56	53	71	76	77	57	64	70	77	....	67.9
	Minimum	52	51	52	59	49	33	34	51	39	38	40	42	42	30	31	32	35	31	28	23	31	32	25	25	29	41	45	32	31	30	....	37.1

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. Bold face figures indicate minus quanity.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—1-27-47—925)

WE

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CLIMATOLOGICAL DATA

VICTOR T. HORN

PARKERSBURG, W. VA.

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VOL. LIV DECEMBER 1946 No. 12

GENERAL SUMMARY

It was a mild, pleasant month with little snow or ice.

The temperature averaged 38.2° which was 3.6° above normal. It was the warmest December since 1941 and was the ninth warmest of record. No station reported a minus departure in temperature. The warm periods were 7-12th, and 27-29th. The cold periods were 2d-4th, and 18-20th. Cloudiness was slightly less than average and recorded sunshine considerably above. On the 3d, temperatures dropped to −6° at Canaan Valley, to −2° at Cranberry Glades and to zero at Bayard.

Precipitation averaged 2.44 inches which was 0.83 inch below normal. All stations reported minus departures except for a few widely scattered ones in the northern division which were slightly above normal. Snowfall averaged slightly more than one-half the normal amount. Depths of from 7 to 9 inches fell in many parts of the mountain districts on the 21st-22d, but amounts in the lowlands were light. Streams remained low for the most part but subsoil water increased steadily after the first decade.

It was unusually good for outdoor work all month. The hard freeze of the 2d to 4th did not seem to hurt winter grasses, probably because the topsoil was dry at the time. Farm butchering, which usually is in full swing in November, was this year delayed until the first few days of December. Trees did not become completely dormant during the month as sap was still flowing in maples and box elders as late as the 29th. Farm water supply increased and could be considered adequate by the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 70 stations, was 38.2°, or 3.6° above the normal. The mean for the northeastern panhandle division was 37.2°; for the northern division, 37.8°; and for the southern division, 39.2°. The highest monthly mean was 43.4° at Huntington and the lowest, 33.0° at Cranberry Glades. The highest temperature was 77° at Petersburg on the 9th and at London Locks on the 12th and the lowest, −6° at Canaan Valley on the 3d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 107 stations, was 2.44 inches, or 0.83 inch below the normal. In the northeastern panhandle division, the average was 1.89 inches; in the northern division, 2.94 inches; and in the southern division, 2.22 inches. The greatest monthly precipitation was 4.29 inches at Pickens No. 2, and the least, 1.11 inches at McNeill. The greatest amount in any 24 consecutive hours was 1.40 inches at Omps on the 30th. The average monthly snowfall was 3.9 inches, or 2.6 inches below normal. The greatest monthly snowfall was 13.8 inches at Pickens. The greatest number of snow-lying days was 12 at Spruce Knob. The average number of days with 0.01 inch or more of precipitation was 9.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2					1	4	3	4	2	2	3	1							1	2									1	1
Frosts killing																															
Gales	16	4								4	4	12	13	3	2		2			1	7	4	3	7	5	4	4	13	14	2	
Hail																															
Halos, lunar								1	2	2																					
Halos, solar								1										1													
Sleet																	3	2		24	6								1	4	7
Thunderstorms																													3		

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.75	2	29.37	12	7.3	23	sw.	17	82	61	69	35	767
Columbus, Ohio	30.71	2	29.33	12	10.7	43	sw.	12†	80	66	71	48	881
Elkins	30.71	2	29.48	13	8.1	35	w.	13	88	58	72	40	903
Huntington Airp't.	30.72	2	29.48	12	.....	26	sw.	28	75	52	70	....	653
Parkersburg	30.69	2	29.46	12	7.4	26	nw.	1	75	54	65	35	774
Petersburg, W. Va.	30.67	31	29.45	13	.....	37	.....	1†	79	52	61	....	813
Pittsburgh, Pa	30.66	31	29.41	12	12.0	40	nw.	28	74	58	65	25	822

COMPARATIVE DATA FOR DECEMBER

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.50	3.79	2.99	3.27	.....	..	..	..	..
1892	34.1	72	−10	2.44	2.54	2.59	2.91	.....	8	..	..	..
1893	37.1	76	7	.60	2.40	1.54	2.05	.....	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	.....	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	.....	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	.....	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.07	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	−37	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	1.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
1941	39.3	74	2	2.38	2.08	2.40	2.24	1.0	9	7	9	15
1942	31.6	75	−21	3.58	5.80	5.76	5.42	13.2	15	4	8	19
1943	32.1	66	−15	1.20	1.92	2.30	1.96	3.4	8	10	7	14
1944	29.4	63	−15	3.11	5.50	4.15	4.63	23.2	13	6	6	19
1945	28.9	62	−10	2.19	2.65	2.64	2.57	11.3	13	6	7	18
1946	38.2	77	−6	1.89	2.94	2.22	2.44	3.9	9	10	8	13
Period	34.6	83	−37	2.48	3.51	3.24	3.27	6.5	11	9	7	15

Climatological Data for December 1946

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days					Observer
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of the wind	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	43	34.2	+6.1	62	10†	0	3	2.84	−1.01	0.90	29	12.0	13	8	9	14	w.	Howard R. Fulk
Berkley Springs	Morgan	640	2	38.8	....	70	9	13	3	1.66	.....	0.87	21	.....	4	14	7	10	w.	Hammond Shriver
Brandywine	Pendleton	1,586	30	37.2	+3.0	71	15	3	19	.....	.....	.....	.....	.....	...	22	6	3	s.	Clifford J. Dickenson.
Harpers Ferry	Jefferson	400	57	... ..	.....	..	.....	.....	.....	2.42	−0.19	1.22	21	2.0	7	.....	..	.....		Miss Eleanor White
Inwood	Berkeley	569	13	38.2	.....	73	10	10	3	1.88	.....	0.80	21	2.0	4	11	11	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	16	38.9	+3.6	72	28	11	3	1.87	−0.54	1.18	21	2.5	6	11	11	9	w.	University Exper. Station
Martinsburg	Berkeley	545	54	36.8	+2.8	72	28	11	3	1.65	−1.11	0.67	20	3.0	7	18	6	7	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	12	38.0	+5.4	73	10	2	3	1.11	−0.95	0.90	21	1	3	7	14	10	w.	R. E. Saville
Petersburg	Grant	1,029	7	39.0	....	77	9	8	3	1.27	.....	0.45	20	3.7	7	8	3	20	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	32	36.6	+3.6	68	9†	13	3	2.03	−0.38	1.11	21	3.5	6	10	11	10	w.	C. A. Suter, Jr.
Stony River Dam	Grant	3,300	14	.....	.....	.....	.....	.....	.....	2.50	−0.74	0.51	29	10.5	11	3	9	19	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	28	36.8	+3.1	73	9	7	3	1.85	−0.39	1.06	21	2.7	5	14	13	4	nw.	Reymann Memorial Farms
Means and Extremes	.....	.....	.....	37.2	.....	77	9	0	3	1.89	....	1.40	30	4.2	7	11	9	11	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	22	.....	.....	.....	.....	.....	.....	3.08	+0.08	0.76	29	3.0	12	6	14	11	w.	L. Esle Bond
Beuson	Harrison	1,080	21	39.4	+3.2	67	8†	9	3	3.13	−0.36	0.75	13	7.5	11	9	14	8	....	R. D. Marts
Bens Run	Pleasants	652	45	39.6	+4.8	65	9†	14	2†	3.52	−0.04	1.00	29	1.5	8	21	3	7	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	5	33.4	....	62	7†	2	3	3.56	.....	0.94	21	8.0	10	.....	.....	.....	. .	James I. Galloway
Brownsville‡	Lewis	1,032	22	39.0	+2.4	67	12	8	3	2.86	−0.46	0.63	29	.....	10	5	11	15	n.	M. D. Hawkins
Buckhannon	Upshur	1,459	55	38.6	+4.4	67	28	7	3	3.09	−1.69	0.66	29	4.5	13	8	12	11	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	880	40	39.5	+4.8	69	9†	9	3‡	2.42	−0.96	0.98	13	1.9	9	11	8	12	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	2	34.7	.....	59	8†	− 6	3	2.86	.....	0.83	20	12.4	10	5	13	7	w.	George B. Thompson
Clarksburg	Harrison	1,015	23	36.6	+1.4	66	28	11	3	2.63	−0.45	0.61	21	4.0	8	11	6	14	w.	Clarksburg Water Board
Crestou	Wirt	640	45	37.6	+2.3	70	9†	7	4	3.09	−0.38	0.90	21	2.3	10	9	6	16	....	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	24	38.1	....	70	28	11	3	2.18	−1.24	0.60	21	T.	11	14	2	15	sw.	Lockmaster
Dam 13 O. R	Marshall	655	30	.....	.....	.....	.....	.....	.....	2.42	−0.56	0.58	21	1.5	11	.....	.....	.....		Lockmaster
Dam 15 Mon. R	Marion	882	24	.....	.....	.....	.....	.....	.....	2.26	−0.87	0.68	21	T.	9	.	...	.	.....	Lockmaster
Dam 19 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	2.34	−0.79	0.77	29	0.5	9	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	29	.....	.....	.....	.....	.....	.....	2.69	−0.45	0.75	29	1.0	9	.....	.....	.....		Lockmaster
Elizabeth (Dam 3 L. K)	Wirt	615	36	.....	.....	.....	.....	.....	.....	3.40	+0.27	0.70	29	.....	8	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	47	36.0	+4.3	67	9	5	3	3.07	−0.39	0.79	21	11.9	13	5	8	18	w.	U. S. Weather Bureau
Fairmont	Marion	1,023	54	39.2	+5.2	69	28	12	3	2.48	−1.01	0.57	20	0.2	11	8	7	16	w.	Monongahela Power Co
Glenville	Gilmer	738	58	41.2	+5.3	70	9†	11	3	2.29	−1.64	0.48	29	1.3	10	11	7	13	w.	Howard R. Brannon
Harrison County Airport	Harrison	1,188	6	37.1	....	66	9	9	2†	2.24	.....	0.59	20	1.0	11	5	7	19	sw.	U. S Airway Station
Hastings	Wetzel	809	11	.....	.....	.....	.....	.....	.....	3.57	−0.05	0.76	29	2.8	14	2	16	13	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	22	.. ..	...	...	...	...	...	2.82	−0.26	0.62	29	0.5	10	...	.	...	.....	Reta Goldsmith
Manuington, 1½ mi. NW	Marion	974	44	37.3	+3.7	67	9†	8	3†	3.00	−0.57	0.67	29	5.2	14	8	6	17	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	5	38.4	.....	68	9†	11	19	2.72	.....	0.64	29	2.6	9	8	7	16	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,259	70	37.4	+3.0	69	9	13	2	1.94	−1.16	0.50	29	.....	8	.....	.....	.....	. .	State Dairy Farm
New Cumberland	Hancock	671	51	37.5	+5.8	65	9	11	19	2.16	−0.60	0.86	12	5.2	11	12	2	17	nw.	C. O. Valentine
New Martinsville	Wetzel	637	52	38.8	+3.5	68	6	12	19	3.35	−0.21	0.85	29	1.5	9	11	9	11	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	61	40.0	+4.8	68	9†	14	2	2.82	−0.23	1.01	29	1.7	10	5	9	17	nw.	Section Center
Parsons	Tucker	1,649	47	37.6	+5.3	68	9	8	3	3.21	−0.84	0.86	21	9.4	13	5	9	17	nw.	D. A. Oliver
Philippi	Barbour	1,300	52	.....	.....	.....	.....	.....	.....	3.08	−0.69	0.72	21	7.7	12	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	56	37.2	+5.0	63	11	6	2	3.54	−1.54	1.03	21	13.8	12	3	14	14	sw.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	22	.....	.....	.....	.....	.....	.....	3.50	+0.13	0.80	11	1.0	10	10	4	17	....	Mary A. Conrad
Rowlesburg	Preston	1,375	61	36.4	.....	68	29	9	3	3.64	−0.74	0.92	21	5.0	9	7	6	24	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	35	.....	.....	.....	.....	.....	.....	3.56	+0.22	1.04	13	0.5	8	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	17	.....	.....	.....	.....	.....	.....	4.18	+0.33	0.96	21	5.7	15	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	22	40.5	+3.0	69	28	11	3	2.40	−0.82	0.62	29	2.2	10	9	9	13	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	53	34.1	+1.7	61	6†	7	19	2.39	−0.52	0.75	12	3.0	9	7	8	16	.....	George P. Pfister
West Milford‡	Harrison	979	20	... ..	.....	.....	.....	.....	..	2.62	−0.46	0.67	21	1.2	8	...	..	..	.....	Scotland G. Highland
Weston	Lewis	1,026	55	42.8	+7.0	69	9	14	2†	2.93	−0.70	0.68	21	3.9	10	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	62	36.6	+4.0	65	9	13	19†	2.14	−0.84	0.60	29	3.7	11	8	9	14	sw.	Lockmaster
Means and Extremes	.....	.....	.....	37.8	.....	70	9†	− 6	3	2.94	.....	1.21	11	5.3	11	8	9	14	w.	
Southern Division																				
Alderson	Monroe	1,570	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	John E. Foster
Arbovale	Pocahontas	2,727	23	... ..	.....	.....	.....	.....	.....	1.63	−1.73	0.42	21	5.5	11	12	6	13	w.	H. S. Sutton
Athens	Mercer	2,600	6	39.3	.....	64	28	8	3	2.30	.....	1.02	20	7.0	9	7	12	12	nw.	Concord College
Bluefield	Mercer	2,558	51	41.3	+4.4	66	9	11	2	1.61	−1.27	1.05	20	7.0	6	17	7	7	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,497	4	37.6	....	68	28	10	3	1.51	.....	0.76	21	2.0	9	13	2	16	.....	Willard F. Russell
Charleston	Kanawha	615	59	40.8	+1.2	71	9	15	3	2.16	−1.48	0.55	29	T.	10	15	1	15		W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	8	40.8	....	70	9	10	2	2.46	.....	0.63	29	2.0	11	5	6	20	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	2	33.0	.....	64	9	− 2	3	2.89	....	0.70	22	....	12	3	15	13	nw.	Department of Justice
Flat Top	Mercer	3,270	8	36.2	.....	63	9	5	2	3.01	.....	1.03	20	10.9	11	7	7	17	nw.	U. S. Airway Station
Gary	McDowell	1,426	29	39.2	+1.4	70	9†	10	3	1.98	−1.39	0.71	21	2.0	10	.....	.....	.....	.....	U. S. Coal & Coke Co.
Greenbottom	Cabell	530	7	.....	.....	.....	.....	.....	11	1.89	.....	0.85	29	0	4	9	2	20	sw.	State Forest Nursery
Hamlin	Lincoln	642	3	40.0	.....	70	9	11	3	2.18	.....	0.55	29	0.1	8	12	3	16	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	57	39.2	+3.4	69	28	11	3	1.73	−1.45	0.85	21	1.0	8	...	...	...	.....	Mrs. M. L. McClung
Huntington	Cabell	571	50	43.4	+7.8	71	9	15	2	2.43	−0.94	0.89	12	0.5	11	8	10	13	nw.	H. N. Robinson
Kaylord	Kanawha	1,335	29	... ..	.....	.....	.....	.....	.....	2.56	−1.35	0.60	12†	3.5	7	..	...	.....	.....	Truax-Traer Coal Co.
Logan	Logan	700	33	41.4	+2.3	71	9	14	3	2.95	−1.15	0.82	29	0.2	11	13	3	15	.....	J. W. Ruff
London Locks	Kanawha	623	11	41.2	...	77	12	15	2†	2.62	−0.59	1.01	29	.....	13	...	....	....	se.	Lockmaster
Madison	Boone	675	25	39.0	+4.0	70	28	11	3	2.09	−0.81	0.70	28	.....	9	11	12	8	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	4	37.2	.....	68	9	10	2†	1.70	...	0.62	21	3.0	11	8	6	17	.....	M. H. Martin
Pineville	Wyoming	1,350	4	36.6	.....	63	8†	12	20	1.69	.....	0.41	13	4.0	9	...	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	56	42.2	+6.4	67	12†	14	2	2.59	−1.00	0.80	29	0.1	9	7	8	16	w.	E. C. Winget
Rainelle	Greenbrier	2,424	15	36.1	+2.9	68	9	4	3	3.16	−0.37	0.70	20	10.0	13	12	4	15	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	31	39.4	+1.5	67	9	12	3†	2.21	−1.11	0.68	29	.....	7	10	3	18	nw.	Lockmaster
Richwood	Nicholas	2,193	15	36.1	+1.0	66	10	5	2†	2.37	1.12	0.50	21	7.5	9	11	8	12	. .	Richwood Lt. & Pwr. Co.
Ripley	Jackson	610	4	40.1	.....	69	9	12	3†	2.16	.....	0.53	28	0	8	.....	.....	.....	.....	Richard Church
Spencer	Roane	789	47	38.0	+1.6	68	9	10	3	2.54	−0.87	0.63	21	1.5	8	10	6	15	.....	A. M. McKown
Summersville	Nicholas	1,900	10	33.8	.....	68	10	5	3	1.62	..	0.35	10	2.0	8	10	13	4	.....	A. E. Dorsey
Sutton	Braxton	850	43	42.4	+7.2	72	12†	9	3	2.92	−0.90	0.57	29	3.0	10	17	10	4	.....	C. B. Eakle
Union	Monroe	2,200	42	35.2	+1.2	68	28	5	3	1.51	−1.41	0.91	21	..	8	14	2	15	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	14	40.8	.....	69	9	9	3	2.59	...	0.47	20	4.4	12	14	4	13	nw.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	32	39.2	+6.1	68	8†	3	3	1.65	1.45	1.15	20	6.2	9	5	8	18	w.	Chesapeake & Ohio Ry.
Williamson	Mingo	673	45	42.0	+4.4	75	12	14	3	2.58	−1.20	0.80	29	T.	9	19	4	8	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	8	40.7	....	69	9	14	3	2.53	....	0.60	21	T.	8	11	6	20	w.	Lockmaster
Means and Extremes	.....	.....	.....	39.2	.....	77	12	2	3	2.22	.....	1.26	31	2.3	9	11	7	13	nw.	
State Averages and Extremes	.....	.....	.....	38.2	+3.6	77	9†	6	3	2.44	−0.83	1.40	30	3.9	9	10	8	13	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35 year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for December 1946

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.10	T.								.05	.15	.37	.33	T.	.10					.20	.30	.40				.05		.04	.50	.24	T.	2.83
Berkeley Springs	do.		T.										.23								.05	.87								.51			1.66
Brandywine	do.																				.20									.25		.10	§§
Brushy Run[2]	do.											.05	.10			T.					.09	.63	.09						T.	.34	.03		1.33
Harpers Ferry[2]	do.		.02										.18	.46								1.22						.05	.29	.20		2.42
Inwood	do.		T										.23								.35	.80							.50		T.	1.88
Kearneysville	do.												.17	.02							.65	.53							.48		.02	1.87
Knobly Mountain[2]†	do.	T										T.	.30	.07		T.					T.	.50	T.					T.	.54	.08		1.49
Martinsburg[4]	do.	T.									T.		.20	.02				T.	T.		.67	.33						.02	.40		.01	1.65
McNeill†	do.												.09								.12	.90							T	T.		1.11
Petersburg	do.	T.									T.	T.	.09	T.		T.	T.	T.			.45	.20	.01			T.	T.	.01	.41	T.	.10	1.27
Piedmont	do.		T.										.28	.02							.37	.74	T.					.01	.61			2.03
Romney	do.		T.									.01	.26								.28	.50						.02	.48	.03		1.58
Springfield	do.												.17	.03							T.	1.06	.09						.42	.10		1.87
Spruce Knob[2]†	do.	.08	.26	T.								T.	.34	.36			.06				.07	.34	.29	.03			T.	T	.34	.26		2.43
Stouy River Dam[2]†	do.	*	.30								T.	.22	.30	.38			.05				.10	.30					.10	T.	.24	.51	T	T.	2.50
Wardensville[2]	do.		T.										.06	.04			T.				.08	1.06	T						.11			1.35
Northern Division																																	
Aberdeen†	West Fork		.01								.04	.42	.32	.40	T.	.10	.02	T.			.47	.32	.20						.76	.02	T.	3.08
Bellington[2]	Tygart		T.	T.								.40	.37	.34	T.	.08	.12				.01	.87	.29	.04			T.	T.	.01	.32	.17	.04	3.06
Benson†	West Fork										.05	.60	.35	.75	.02	.05	.05				.35	.31	.14						.46			3.13
Bens Run	Ohio										.65		.85	.33		.03					.41	.13	.12						1.00			3.52
Brandonville[2]	Cheat		.20									.43	.42	.44				T			.10	.94	.10	.30				.17	.46			3.56
Brownsville†	West Fork	T.										.49	.39	.38		.04	.02				.48	.23	.15						.63	.05		2.86
Buckhannon	Tygart		.01								.15	.33	.89	.46	T.	.11	.02				.57	.20	.15	T.					.66	.03	.01	3.09
Cairo	Litl.Kanawha										.20		.58	.40	.03	.02					.35	.15		T.				.60	.16	T.		2.49
Canaan Valley	Cheat		.15								.11	.24	.40	.41		.05	.05				.83		.02						.60			2.86
Clarksburg[2]	West Fork											.37	.27	.55	T.	T.	.08					.61	.18						.37	.20		2.63
Crawford	do.	T.										.44	.39	.37		.13					.78		.18					.16	.43	.02	T.	2.90
Creston[2]	Litl.Kanawha	T.	T.									.55	.30	.54	T.	.07	T	.02			.02	.90	.10					T.	.49	.10	T.	3.09
Dailey[2]†	Tygart	T.	.02	T.								.28	.28	.19	T.	.10	.02	T	.02		.08	.80	.09	T.			T.	T	.24	.11	T.	2.23
Dam 10, Mon. R.[2]†	Monongahela		.02									.42	.30	.42		.01		T.				.60	.07	.01					.01	.18	.14		2.18
Dam 15, O. R.[2]†	Ohio		.01	T.								.17	.36	.35		T.		.03				.58	.20	.01					.01	.24	.46		2.42
Dam 15, Mon. R.[2]†	Monongahela		T.									.26	.28	.42		.01	.02	T.				.68	.12	T.				T	.21	.26		2.26
Dam 19, O. R.[2]†	Ohio											.35	.30	.38	T.	.03	.02	T.				.43	.06	T.					.67	.10		2.34
Dam 20, O. R.[2]†	do.	T.	T.									.37	.25	.58	T.	.07	T.	.02				.38	.11	T.		T			.75	.16		2.69
Elizabeth (Dam 3)[2]	Litl.Kanawha											.50	.35	.60		.05						.55	.35						.70	.30		3.40
Elk†	West Fork										.15	.25		.75		.12					.85		.20						.70			3.02
Elkins[1]†	Tygart	T.	T.								.25	.15	.31	.39	T.	.09	.02	.02	T.	T.	.57	.47	.12	T.	T.	T.	T.	T.	51	.04	.13	3.07
Fairmont[2]	Monongahela	T.									.20	.06	.34	.43		T.	.03				.57	.11	.17					.04	.50	.02		2.48
Glenville[2]	Litl.Kanawha		T								.20	.24	.16	.23	T.	.19					.46	.09	.18						.48	.06		2.29
Grafton	Tygart		T.								.17	.18	.52	.32	T.	.04	.04				.54	.12	.11					T.	.69	T.		2.68
Hackers Creek†	West Fork		T.								.09	1.21	.28		.12						.10		.21						.29	.41	.20	2.91
Hall[2]	Tygart		T.	T.							.49		.36	.36	T.	.08	.12	T.			T.	.82	.21	T.				.02	.53	.19	T.	3.18
Harrison Co. Arpt.[4]	West Fork	T.	.01								.36	.07	.51		T.	.02	.04	T.			.59	.07	.05			T		.01	T.	.51	T.	T.	2.24
Hastings	Ohio		.04	.01							.12	.39	.63	64	.04	.08					.38	.26	.15						.02	.76	.05		3.57
Horner	West Fork										.40			.54			.25				.60	.46	.21							.25			2.71
Ireland	do.		.03									.51	.48	.31		.10						.73	.32						T.	.52	.13	.34	3.47
Jane Lew	do.		T.								T.	.45	.33	.39		.07	.04				.51	.20	.16						T	.62	.05		2.82
Kumbrabow St. For.†[2]	Tygart	.11		.02							.03	.44	.39	.70		.15		.11			.65	.65	.30	.02					.10	.36		.01	4.04
Mannington	Monongahela		.02								.23	.20	.42	.46		.03	.06	.01			.60	.10	.15						.01	.67	.04		3.00
Middlebourne[2]	MiddleIs.Creek		T.									.27	.35	.57	T.	.01	.04	T.				.53	.13						T.	.64	.18		2.72
Midvale[2]†	Tygart		.02									.47	.35	.40	.01	.06	.02	.02			.04	.90	.40	.03					.40	.20	T.	3.32
Morgantown	Monongahela	T.									.25	.07	.36	.22							.38	.12	.04						.50			1.94
Mt. Clare	West Fork	T									.27		.40		.40	.10	.28				.59	.15	.13						.63			2.95
New Cumberland	Ohio		.02								.18		.86				.14				.35	.07	.02		.01			.02	.10	.39			2.16
New Martinsville	do.	T.	T.								.38	.21	.60	.58			.07				.47	.14	.05							.85	T		3.35
Parkersburg[1]†	do.	T.									.49	.03	.62	.13	T	.02	T	.01			.35	.15	.01					T.	T.	1.01	T.		2.82
Parsons	Cheat	T.	.02								.11	.26	.41	.37	T.	.08	.04	T.			.49	.38	.39		T.			.04	.54	.08	T.	3.21
Philippi[2]	Tygart		T.	T.								.39	.26	.45	T.	.05	.13				.02	.72	.31	.04		T.	T.	.01	.59	.11	T.	3.08
Pickens	do.	.08	.08								.09	.12	.42	.38		.20		.25			.72	1.03	T						.12	.05		3.84
Roanoke	West Fork										.05	.80	.38	.62	T.	.06	T				.55	.21	.13						.66	.04	T	3.50
Rockford†	do.		T.								.03	.42	T.	.65		.04					.54		.14						.73			2.55
Rowlesburg[2]	Cheat	T.	T.	T.								.52	.47	.51	T.	T.	.05		T.		T.	.92	.28	1				.02	.68	.19		3.64
Saint Marys[2]	Ohio											.44	.34	1.04		.03						.50	.20						.85	.16		3.56
Salem	West Fork		T.								.24	.17	.31	.55		.04	.04				.52	.08	.20						.49			2.64
Thomas[2]	Cheat		.10	.03								.38	.52	.56		.05	.10	T.			T.	.96	.56	.05			.10	T.	.05	.30	.40	.02	4.18
Valley Chapel	West Fork		T.								.04	.38	.31	.36	T.	.08	T.				.23	.25	.10					T.	.62	.03		2.40
Valley Head[2]	Tygart	.03	T.	T.								.21	.17	.28		.07	T.	T.	.04		.03	.64	.48	.07			T.		.05	.14	.25	T.	2.46
Vandalia†	West Fork										.07		.33	.38	.38						.61	.24	.10							.55			2.66
Wellsburg (near)	Ohio										.27	.03	.75	.20			.05	T.			.32	.20	T.					.10	.47			2.39
West Milford	West Fork											.40	.34	.50		.02	.12				.45	.22							.57			2.62
Weston[2]	do.		T.									.52	.38	.34	T.	.10	.04					.68	.22	.02				T.	.18	.45	T.	2.93
Wheeling (Dam 12)[2]	Ohio		.02	T.								.14	.44	.31		T	T.	.02				.52	.07	.01				.01	.28	.32		2.14
Southern Division																																	
Alderson	Greenbrier											.05									.17	.97							.10			§§
Arbovale	do.	.01	.05									T	.05	.26		T.		.01	T.		.30	.42	.10			T.	T.	.03	.30	T.	.10	1.63
Athens	New	.05	T.									.12	.12			T.		.05			1.02	.28	.05						.06		.55	2.30
Bluefield	do.													.17				.05	.06		1.05	.20	.08									1.61
Camden-on-Gauley[2]	Gauley	.08										.31		.66				.07	T.		.15	.64	.22					.02	.12	.26		2.53
Charleston	Gr. Kanawha											.10	.25	.33		.01		.05			.06	.42	.09	T.	T.				.48	.07	T.	2.16
Charleston Airport)[4]	do.										.18	.41	.32	.07		T.		.03			.42	.14	.03					.02	.63	T.	.21	2.46
Clay	Elk		.22									.47	.09								.23	.02							.52			1.55
Cranberry Glades	Cranberry	.06										.15	.22	.44		.05		.08			.50	.03	.70					.16	.38		.12	2.89
Flat Top[1]	New	.04									T.	.21	.25	.12		T.		.10	.05		1.03	.41	.09						.27		.44	3.01
Gary[2]	Big Sandy	.01										.17	.01	.19	T.	T.			.12		.51	.71	.09	T.					.08	.09		1.98
Greenbottom†	Ohio											.19	.37									.48								.85		1.89
Hamlin	Mud											.43	.24	.44				.03			T	.45	T.						.55	.03	.01	2.18
Hinton[2]	New	T										.12	.01	.17		T.	T.		.07		.40	.85	.02							.09	T.	1.73
Hogsett	Ohio											.38	.30	.54		T.	T.	.01				.40	.13						.90	.08		2.74
Huntington	do.	T.	T								.12	.24	.79	.10		T.		.05			.25	.18	.02					.62	.01	.05	2.43
Kayford[2]	Gr. Kanawha												.60	.39		.25			.10		.60	T.						.42		.20	2.56
Lewisburg	Greenbrier	T.										T	.03	.18		.03		.02	.09		.86	.26	.04					.01	.04	T.	.37	1.93
Logan[2]	Guyandot	T.	.01									.49	.13	.48				.11	.06		.05	.50	.10	T.				T	.82	.20	T.	2.95
London Locks[2]†	Gr. Kanawha	.01	.02									.39	.14	.34				.03	.05		.01	.44	.18						.46	.55		2.62
Madison[2]	Coal	.10										.46	.15					.11	.03		.11	.36	.07						.70			2.09
Oak Hill[2]	New	.02										.24	.11	.33		.07			.05		.05	.62	.10						.05	.06		1.70
Pineville[2]	Guyandot	.05	T.									*	.28	.41		.20					.10	.38	.10						.17			1.69
Point Pleasant[2]	Ohio			T.								.33	.22	.54		T.		.02				.42	.07					.02	.80	.08	T.	2.50
Princeton[2]	New		T.									.03	.01	.06		T.			.18		.32	.64	.04						.02	.03			1.33
Rainelle	Greenbrier	.05										.22	.14	.37		.03		.08			.70	.35	.27					.30	.08	.12	.45	3.16

Continued on next page.

Daily Precipitation for December 1946—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio											.41	.24	.38		.01		T.			.38	.08							T.	.68			2.21
Richwood [2]	Gauley	.09											.35	.44		.05					.23	.50	.36							.19	.16		2.37
Ripley	Ohio										.30	.11	.50	.24							.24	.10	.09						.53				2.16
Speucer [2]	Litl.Kanawha										T.	.42	.31	.52		.05		T.			T	.63	.10						.03	.48	T.		2.54
Summersville [2]	Gaulcy	T.									T.	.35	.25	.30		T		.02			.05	.30								.30	.05	T	1.62
Sutton	Elk		T.									.36	.34	.38		.09					.48	.26	.24							.57	.12	.08	2.92
Union [2]	New	.01	1									.02	.01	.06					.21		.27	.91								.02			1.51
Wayne [2]	Twelvepole											.40	.27	.78		.02		.06				.43								.34			2.30
Webster Springs	Elk	.06										.31	.18	.38		.15		.09			.47	.41	.08		T				.10	.33	.03		2.59
White Sulp'r Spgs.	Greenbrier	T.										T.	.01	.08		.02		.02	.12		.80	.35							T.	.03		.22	1.65
Williamson [2]	Big Sandy											.29	.10	.62				.10			.11	.51	.05							.68	.12			2.58
Winfield Locks [2†]	Gr Kanawha											.38	.36	.51		.02	T.				.48	.12								.46	.20			2.53

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ‖ Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville, Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for December 1946

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	53	38	37	43	51	57	55	53	61	62	54	62	58	34	28	42	48	33	26	31	37	30	50	45	40	40	37	60	59	69	25	45.7
	Minimum	25	11	0	17	28	23	17	23	26	30	35	35	30	23	23	23	25	20	16	18	27	18	17	31	20	25	16	29	34	23	20	22.8
Bluefield	Maximum	58	64	43	45	54	56	54	60	66	62	58	64	59	40	34	53	54	37	33	33	40	37	52	50	49	53	57	57	65	62	34	51.1
	Minimum	38	11	13	25	24	33	37	33	36	37	50	53	37	30	28	25	36	24	15	24	32	24	23	45	30	26	37	48	52	27	21	31.5
Brandywine	Maximum	54	44	57	50	57	53	54	61	54	69	63	63	60	52	71	54	53	48	38	34	47	39	49	56	50	52	46	67	61	59	43	53.6
	Minimum	19	14	17	16	18	27	22	30	14	23	45	43	15	15	15	16	29	20	8	14	19	23	9	24	18	20	14	32	34	23	10	20.7
Buckhannon	Maximum	58	35	40	47	56	64	63	58	66	63	55	66	60	49	34	51	55	37	31	37	42	32	53	50	45	50	50	67	65	47	30	50.2
	Minimum	34	11	7	14	19	27	22	29	27	32	41	45	33	28	26	26	36	22	10	21	32	29	15	29	24	32	2	51	39	27	25	26.9
Cairo	Maximum	67	42	39	50	50	64	66	67	69	69	60	61	50	45	42	41	56	39	32	35	40	50	58	57	53	52	63	68	66	56	31	52 *
	Minimum	36	12	9	14	18	19	18	29	27	31	39	40	38	30	28	29	30	18	9	23	32	22	21	24	23	34	22	49	35	29	25	26.2
Charleston (Airport)	Maximum	62	31	46	54	60	66	68	65	70	66	53	69	60	44	38	64	58	36	36	40	42	37	63	57	42	54	65	67	67	36	30	53.1
	Minimum	28	10	13	22	22	29	28	31	31	36	44	50	29	33	30	29	32	18	14	30	34	24	22	30	24	29	31	45	35	30	25	28.6
Clarksburg [3]	Maximum	57	24	39	47	57	62	64	59	65	63	58	65	40	39	30	55	53	30	30	41	41	32	55	50	42	49	61	66	65	41	35	48.8
	Minimum	28	14	11	16	15	19	22	22	27	27	34	40	35	29	27	27	27	23	12	12	28	30	17	19	26	26	25	28	38	29	27	24.5
Cranberry Glades	Maximum	53	29	32	42	52	53	53	52	64	61	56	58	54	30	33	44	46	34	33	32	36	30	50	45	39	42	43	54	55	55	27	44.7
	Minimum	30	0	— 2	8	10	33	12	19	25	24	41	45	28	24	22	22	25	18	5	19	29	22	8	34	12	24	20	31	38	20	14	21.3
Elkins	Maximum	58	19	41	47	56	61	65	57	67	64	53	64	57	37	31	51	54	31	32	40	42	31	52	48	39	46	54	64	65	33	26	47.9
	Minimum	19	6	5	15	17	23	19	24	20	30	44	45	30	27	25	26	30	16	12	23	30	25	9	32	23	24	22	49	32	21	21	24.0
Fairmont [3]	Maximum	57	35	37	46	59	64	64	59	68	66	56	65	60	43	35	42	55	36	31	35	40	33	55	50	45	51	54	69	66	49	30	50.2
	Minimum	35	13	12	18	21	29	24	31	31	39	39	42	34	30	27	28	33	22	13	24	33	30	24	30	26	33	23	43	36	27	26	28.3
Flat Top	Maximum	52	28	38	43	51	52	56	56	63	60	53	61	53	38	33	50	49	31	33	30	36	29	48	47	40	47	55	60	55	42	28	45.7
	Minimum	28	5	8	22	25	28	31	26	38	41	47	48	29	25	25	22	31	19	11	20	29	21	16	39	21	28	25	42	42	20	19	26.8
Gary [3]	Maximum	52	28	49	52	60	64	68	65	70	63	55	70	47	46	44	62	53	38	39	40	45	36	56	58	42	55	63	69	65	31	27	52.0
	Minimum	24	15	10	15	18	16	25	25	20	27	31	48	43	28	27	25	25	28	14	14	33	32	19	20	30	25	26	38	51	30	26	26.3
Graftou	Maximum	56	32	39	45	55	59	62	58	65	64	54	65	64	39	34	46	56	34	28	35	42	33	54	51	45	48	56	66	65	50	29	49.3
	Minimum	32	12	7	14	16	26	22	27	26	42	37	37	31	29	27	28	31	22	11	19	32	29	16	29	26	32	18	45	39	26	25	25.9
Huntington	Maximum	60	40	47	55	60	67	70	65	71	65	59	69	59	48	40	62	54	37	34	38	41	37	63	59	51	57	66	67	68	45	31	54.4
	Minimum	40	15	17	25	26	30	29	34	36	44	45	48	36	34	31	34	37	23	17	29	36	34	25	32	27	34	32	52	13	29	26	32.3
Lewisburg	Maximum	55	50	36	49	55	57	56	57	65	60	58	66	62	43	37	51	49	38	35	34	41	36	48	52	46	55	49	67	62	60	31	50.3
	Minimum	34	10	6	13	15	26	22	23	19	27	47	47	34	25	26	24	30	23	13	22	31	27	10	37	24	25	26	39	47	25	18	25.5
Logan [3]	Maximum	45	33	46	53	58	61	58	61	71	67	57	72	49	48	42	62	50	38	38	44	43	38	58	58	43	58	65	70	69	54	33	52.3
	Minimum	32	18	14	19	23	24	28	28	32	32	35	48	40	33	37	29	30	28	19	19	34	34	25	25	31	33	33	40	53	32	31	30.4
Madison [3]	Maximum	47	28	47	48	57	61	63	63	68	67	56	46	52	45	40	60	44	35	35	45	42	37	57	56	56	55	67	70	67	33	32	50.9
	Minimum	29	15	11	18	21	22	26	27	28	29	36	41	24	25	25	27	28	26	15	16	33	33	22	27	29	32	30	39	47	30	29	27.1
Mannington	Maximum	59	36	36	48	58	62	64	59	67	63	57	65	59	42	37	40	55	38	32	35	39	35	54	53	47	50	54	67	65	53	29	50.3
	Minimum	32	12	8	13	16	24	18	25	24	31	38	36	32	27	25	24	27	16	8	20	32	29	15	24	24	30	16	46	32	25	24	24.3
Martinsburg	Maximum	55	29	32	51	57	51	52	57	70	68	51	60	47	45	38	64	58	34	33	28	43	29	43	54	40	51	37	72	49	36	30	46.4
	Minimum	28	18	11	15	18	28	29	27	30	43	34	40	37	31	26	24	28	25	20	21	31	33	22	42	26	27	19	34	35	22	19	27.2
Middlebourne	Maximum	50	26	37	49	59	63	65	62	68	63	58	65	42	41	34	56	56	33	33	38	37	36	55	41	41	48	68	66	66	30	31	48.9
	Minimum	39	12	12	17	20	27	23	30	31	38	34	45	33	29	27	27	33	19	11	23	32	30	21	25	25	32	21	55	36	29	26	27.8
Morgantown	Maximum	56	32	32	41	50	57	58	52	60	58	57	59	52	34	36	39	50	33	27	31	35	34	48	47	37	41	50	59	59	39	30	44.9
	Minimum	32	13	18	30	35	40	38	48	54	51	32	38	30	25	23	28	31	18	17	19	27	26	28	36	30	30	26	34	36	18	20	30.0
New Martinsville	Maximum	59	38	36	49	58	68	65	62	67	64	57	67	58	43	37	40	55	37	30	35	37	36	54	52	45	49	61	65	63	44	30	50.4
	Minimum	30	13	13	18	22	28	24	32	31	42	31	42	32	30	26	27	31	19	12	23	32	29	24	27	23	30	24	42	37	25	24	27.2
Parkersburg	Maximum	61	27	39	50	59	63	64	62	68	65	53	65	53	42	34	52	55	34	30	36	39	36	57	54	38	50	63	68	65	36	29	49.7
	Minimum	22	14	17	22	29	32	32	42	46	52	37	48	31	31	28	29	30	22	17	27	33	30	27	31	27	30	29	40	36	26	25	30.4
Petersburg	Maximum	62	27	31	53	61	58	51	63	77	74	60	64	62	45	43	44	52	41	40	28	43	38	59	56	45	54	47	70	56	42	30	50.8
	Minimum	24	10	8	16	16	25	21	24	31	45	44	38	35	33	29	26	38	22	16	23	28	25	17	41	27	34	23	47	37	22	21	27.3
Pickens	Maximum	63	32	35	45	57	60	59	53	63	60	55	60	52	35	30	50	51	30	30	42	44	30	49	45	42	41	53	61	60	49	35	47.3
	Minimum	32	6	11	15	20	22	30	31	37	42	41	46	27	21	25	28	30	15	21	21	23	22	28	39	26	28	30	41	42	28	21	27.2
Point Pleasant	Maximum	64	41	41	50	57	61	64	63	66	65	59	67	59	42	41	53	56	41	35	37	39	39	57	57	54	51	64	67	63	48	32	52.7
	Minimum	48	14	19	23	27	30	29	37	38	45	40	47	34	32	30	32	40	21	16	26	36	33	26	29	25	35	30	51	40	28	25	31.8
Rainelle	Maximum	50	33	41	48	56	58	57	58	68	60	59	63	56	39	34	50	46	36	33	33	37	32	52	50	42	49	50	60	61	60	27	48.3
	Minimum	28	8	4	12	12	24	24	20	20	25	42	47	31	25	24	23	32	20	8	22	31	26	6	35	22	21	23	37	47	22	20	25.9
Richwood	Maximum	50	30	41	54	58	60	62	61	64	66	65	63	50	41	32	46	48	53	37	41	39	41	46	48	52	54	58	64	63	44	31	50.4
	Minimum	42	5	5	10	10	15	15	16	22	28	34	36	30	25	22	22	25	24	7	9	24	24	21	28	30	19	21	26	38	21	20	21.8
Spencer [2]	Maximum	47	27	10	19	57	62	65	62	68	64	60	65	43	34	57	48	46	32	32	41	39	37	58	53	44	51	64	66	31	32	29	48.5
	Minimum	39	11	10	15	19	26	27	30	28	42	41	40	32	26	28	14	26	19	11	24	30	30	22	26	24	30	33	42	58	24	21	27.4
Summersville [2]	Maximum	38	23	31	47	55	55	62	58	47	68	57	65	40	39	44	51	49	32	34	36	40	30	52	38	44	48	62	62	57	28	34	45.8
	Minimum	24	8	5	12	13	15	20	34	19	21	23	40	31	23	24	31	26	18	8	22	26	26	7	14	21	21	21	39	43	23	20	21.9
Sutton	Maximum	70	50	15	49	57	59	65	65	68	68	68	72	72	48	42	59	59	52	41	36	40	40	57	57	55	52	62	66	67	67	36	56.3
	Minimum	36	13	9	15	19	27	22	28	26	32	46	48	36	27	28	31	41	24	12	25	34	32	19	30	21	30	24	49	44	30	28	28.6
Wardensville [3]	Maximum	56	27	35	51	60	52	57	65	73	72	52	64	47	45	39	45	54	39	37	32	45	40	54	53	43	52	51	71	51	35	39	49.3
	Minimum	29	14	7	13	15	24	21	24	25	33	39	37	40	27	24	19	25	29	18	19	22	31	16	21	32	25	18	28	38	30	12	24.4
Weston	Maximum	68	50	39	50	58	65	66	60	69	66	60	64	60	42	40	46	58	56	32	51	48	45	55	54	50	51	60	67	64	50	30	54.0
	Minimum	40	14	16	24	20	30	24	31	31	34	46	55	35	29	28	27	42	26	14	29	41	30	24	38	28	41	29	59	41	30	28	31.7
Wheeling	Maximum	44	25	35	47	55	62	64	61	65	62	57	64	41	38	34	38	45	31	30	38	38	30	50	44	38	44	60	63	62	44	29	46.6
	Minimum	30	15	16	21	23	31	27	28	39	40	32	32	34	28	27	27	29	20	13	13	30	32	28	29	25	25	24	26	33	24	21	26.5
Williamson [3]	Maximum	53	35	49	57	63	62	70	66	73	72	57	75	52	51	48	66	50	39	39	46	45	44	62	60	47	59	68	74	60	38	34	55.1
	Minimum	30	18	14	21	21	22	27	27	29	30	33	19	41	32	31	27	29	29	18	18	34	35	23	23	22	29	35	42	42	31	30	28.8

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—2-24-47—925)

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JUN 24 1947

UNIVERSITY OF ILL

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

VICTOR T. HORN

Vol. LIV PARKERSBURG, W. VA., YEAR 1946 No. 13

GENERAL SUMMARY

Outstanding events in the weather history of West Virginia during 1946 were unusually few. There were (1) the abnormally warm March, making all vegetation come forth about four weeks earlier than usual and (2) the flash floods of June 2 causing damage to the estimated amount of $1,367,000 in the western tier of counties. There were no extensive droughts, major floods, or large forest fires recorded.

The year averaged 1.4 degrees warmer than normal. The months of January, February, March, April, October, November and December were all above normal in temperature, while May, June, July, August and September averaged below. As the warm months averaged below normal and the cold months above normal, it made for a very mild year.

Precipitation was above normal in the months of February, May and June and below in the remaining months.

Production of the major farm crops during 1946 was satisfactory. However, pastures greatly deteriorated in July and remained rather scanty until October. Warm weather in March gave fruit and garden crops a fast start. April was a good planting month but had rather poor growing weather. May was an excellent growing month for such crops as hay, wheat, oats, potatoes and the garden truck. However, frequent showers kept the ground too wet for corn and soybean planting. June started wet and cool, then turned dry during the third decade. Crops of all kinds made rapid growth. Barley and wheat were being harvested during the last week, and much hay was made. From July to October the weather was good for harvesting and fairly good for growing crops although, at times in various places, a good rain would have made for greater yields. The last of the commercial crops, apples and corn, were gathered in October. Pastures improved during the cooler weather of October while rain was beneficial to the new wheat seedings. Winter wheat was in good condition at the close of the year.—*C. L. W.*

WEATHER BY MONTHS

JANUARY.—January was quite warm and dry. Precipitation averaged 67% of normal and about one-half of it fell as snow. There was very little ice in the Ohio River at any time during the month although some of the small headwater streams were frozen. Snow cover was lacking on some of the coldest nights with some damage to alfalfa and wheat roots from heaving. Trees and bushes remained dormant all month.

FEBRUARY.—February had nearly normal temperature and precipitation. The rivers had several moderate rises but no flood stages were reported during the month. Winter grains and grasses remained in good condition all month. Quite a bit of plowing was accomplished on the sandy soils. Trees and bushes remained dormant at the close.

MARCH.—March was abnormally warm, the mean temperature of 50.7° being the fourth highest of record. Parkersburg had the highest average March temperature of record. Precipitation was slightly below normal but was well distributed throughout the month. Spring came early in March, with the peach buds beginning to swell in the warmer sections during the first week. By the 20th, peaches were in bloom followed closely by plums and cherries. Early apples were in bloom in the commercial districts by the close of the month. Grass grew very rapidly all month. Pastures were in better condition at the end of the month than they usually are at the end of April. Trees and shrubbery bloomed and leafed at an extremely rapid rate, with many bushes well leafed at the close.

APRIL.—Temperature averaged slightly above normal but there were numerous cold nights. Frosts, some of which locally were killing, did considerable damage to cherries, peaches and plums. Apples were not hurt much. Precipitation was very deficient. A few forest fires did small damage during the month. It was a good month for soil preparation and planting but did not have the best of growing weather. Owing to scanty rainfall, pastures and meadow grasses, also the winter grains, made but fair growth. Spring-seeded oats came up to good stands. Practically all corn land was ready to plant at the close.

MAY.—May was a wet month with moderate temperatures. The frequency of precipitation was the outstanding weather feature. In only one other year did May have as many days of measurable precipitation on the average. There were but few days with heavy amounts, although light to moderate falls were recorded almost daily in places. It was an excellent growing month. Abundant moisture and normal temperatures made for good growth of such crops as hay, wheat, oats and potatoes. However, the soil was kept so wet by frequent showers that farmers were having extreme difficulty in planting corn, soybeans and truck gardens.

JUNE.—Heavy rains on the 1st-2d caused local damage in Cabell, Calhoun, Doddridge, Gilmer, Jackson, Marshall, Mason, Pleasants, Ritchie, Roane, Tyler, Wayne, Wetzel, Wirt and Wood counties estimated to total about $1,367,000. Late in the day of the 19th a flash flood in Wirt County did damage to crops and livestock estimated at $4,200. Lightning killed a woman in Summers County on the 26th. The weather continued cool and wet for the first two decades, then turned rather warm with less frequent showers. Crops of all kinds made rapid growth. Harvest of barley and wheat began in the third decade. Apples and peaches made good growth. Pastures furnished abundant feed all month. Frequent showers caused delay in hay cutting. Some hay was lost after cutting by being water-soaked.

JULY.—The mean temperature averaged slightly below normal. It was the 8th driest July of record. However, on the 6th, 4.66 inches of rain fell at Crawford in Lewis County causing the worst flood of record at that place. Vegetation made good growth during the first two weeks. The weather then turned drier, making excellent harvest conditions, but not too good for the growing crop. Peaches and summer varieties of apples were being picked by the close.

AUGUST.—It was the second coldest August of record. On the 27th, frost killed some buckwheat in the Canaan Valley. Precipitation was very deficient in all sections. It was a good harvest month. Peaches, fall apples, potatoes and tobacco were largely harvested during the month. Pastures in the eastern part of the State held up well while in the western part they averaged rather poor because of so many dry areas. Some cattle were on dry feed.

SEPTEMBER.—September was slightly below normal in temperature and precipitation. A wind storm did damage to the extent of $7,000 to ten airplanes at the Lewis Airport near Buckhannon on the afternoon of the 10th. It was an excellent harvest month. Practically all crops, excepting apples and corn, were harvested by the close of the month. Late fall and early winter varieties were being picked during the last week. Much

(Continued on page 53)

Climatological Data for the Year 1946

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	47.6	86	July 19	−11	Jan. 23	42	37.91	6.51	May	1.16	July	42.0	140	127	94	144	w.
Brandywine	Pendleton	1,586	31	*51.2*	97	Sept. 9	−11	Jan. 23	31	*26.52*	3.55	June	0.68	Nov.						
Harpers Ferry	Jefferson	400							58	36.55	5.95	May	0.76	Apr.	13.8	105				
Iuwood	Berkeley	569	12	55.0	100	July 19†	− 2	Jan. 23	13	30.79	5.60	Aug.	0.51	Apr.	17.0	82	134	150	81	w.
Kearneysville	Jefferson	548	16	55.1	98	July 19	− 1	Jan. 23	17	34.69	7.66	Aug.	0.44	Apr.	12.7	101	159	115	91	s.
Knobly Mountain	Miueral	1,400							8	30.70	6.25	May	0.65	Nov.	22.5	91				
Martinsburg	Berkeley	545	49	53.7	98	July 19	− 2	Jan. 23	55	30.89	6.38	Aug.	0.74	Apr.	19.4	111	183	91	91	nw.
McNeill, 2 NE	Hardy	800	13	53.1	98	Sept. 9	−12	Jan. 23	13	26.28	4.56	May	0.79	Jan.	10.0	84	131	122	112	w.
Petersburg	Grant	1,029	8	54.4	97	Sept. 9	− 7	Jan. 23	8	24.65	4.59	June	0.40	Nov.	19.0	116	84	113	168	nw.
Piedmont	Mineral	1,053	33	53.4	96	Sept. 9	− 5	Jan. 23	32	30.51	6.18	June	0.63	Nov.	29.5	102	138	105	122	s.
Spruce Knob	Pendleton	4,550							15	41.36	6.38	May	1.01	Nov.	57.5	120				
Stony River Dam	Grant	3,300							27	37.75	6.85	May	1.17	Sept.	53.0	106	79	97	189	w.
Wardensville, 2½ NE	Hardy	1,200	29	52.8	99	July 8	− 5	Jan. 23	28	27.32	4.15	May	0.52	Nov.	18.4	98	*195*	*96*	74	nw.
Northern Division																				
Aberdeen	Upshur	1,060							23	37.12	4.92	June	1.63	Jan.	14.1	125	104	148	113	
Belington	Barbour	1,725							9	40.03	7.78	June	1.55	Nov.	30.0	147				
Benson	Harrison	1,080	22	55.0	95	July 11†	6	Feb. 12	22	41.99	6.18	June	1.63	Aug.	22.5	139	132	152	81	
Bens Run	Pleasants	652	46	56.6	98	July 19	8	Jan. 22†	46	33.30	5.42	June	1.44	Apr.	4.5	115	239	63	63	
Brandonville	Preston	1,798	6	49.9	93	July 19	−15	Jan. 23	6	37.13	5.88	June	1.59	Feb.	15.5	103				
Brownsville	Lewis	1,032	23	55.8	99	July 20	0	Feb. 20	23	36.53	5.02	June	1.70	Apr.		112	153	115	97	s.
Buckhannon	Upshur	1,459	52	53.8	92	July 19†	3	Jan. 28†	56	42.24	7.27	June	1.95	Apr.	18.0	150	150	112	103	w.
Cairo, 3 S	Ritchie	680	41	55.8	95	July 10†	3	Jan. 23	37	40.66	6.53	May	1.20	Nov.	3.2	118	178	96	91	
Canaan Valley	Tucker	3,250	3	48.6	87	July 19	−11	Jan. 23	3	43.60	9.74	June	1.33	Sept.	55.6	147	61	222	82	w.
Clarksburg	Harrison	1,015	24	52.8	96	July 19	5	Jan. 23	24	35.39	5.98	May	0.86	July	11.7	119	176	63	126	w.
Crawford	Lewis	1,107							23	39.13	7.09	July	1.67	Jan.	16.7	114	133	134	98	sw.
Creston	Wirt	640	46	55.9	94	July 19	4	Jan. 23	46	47.74	10.22	June	1.01	Apr.	9.4	128	113	128	124	
Dam 10 Mon. R	Monongalia	826	2	54.5	95	July 11†	6	Jan. 23	25	37.46	5.40	June	1.48	Apr.	3.9	145	*189*	*48*	*128*	sw.
Dam 13 O. R	Marshall	655							31	31.64	4.72	May	1.25	Jan.	*8.0*	130				
Dam 15 Mon. R	Marion	882							25	37.10	6.13	June	1.70	Jan.	2.3	128				
Dam 19 O. R	Wood	600							30	37.95	7.01	June	1.70	Apr. *	2.5	125				
Dam 20 O. R	Wood	600							30	39.92	6.99	June	1.52	Sept.		128				
Elizabeth	Wirt	615							37	43.67	8.60	June	1.69	Apr.	4.0	107				
Elkins	Randolph	1,927	48	51.5	89	July 11	− 2	Jan. 28	48	37.34	6.22	June	1.57	Nov.	32.7	150	76	106	183	nw.
Fairmont	Marion	883	42	55.6	97	July 10†	5	Jan. 23	55	33.07	6.02	May	1.28	Apr.	2.5	*115*	125	95	145	sw.
Harrison Co. Airport	Harrison	1,188	7	53.3	93	July 10†	5	Jan. 23	7	36.65	6.46	June	1.50	Jan.	9.0	121	95	90	180	sw.
Hastings	Wetzel	809							12	40.21	6.36	June	1.43	July	4.9	141	131	135	99	w.
Jane Lew	Lewis	1,020							23	40.07	7.16	Juue	1.56	Apr.	12.0	136				
Kumbrabow St. Forest	Randolph	3,000	7	49.0	85	July 19	− 2	Jan. 2†	7	*55.31*	8.79	May	2.50	Sept.	59.0	*166*	*184*	*66*	*115*	
Mannington, 1½ NW	Marion	974	45	53.9	96	July 19	0	Jan. 23	45	42.66	6.79	June	2.09	Apr.	12.5	162	135	89	141	w.
Middlebourne, 2¾ SE	Tyler	750	6	55.1	98	July 19	6	Jan. 22†	6	34.68	5.45	June	1.20	July	2.8	112	*160*	*72*	*133*	se.
Morgantown, 2 N	Monongalia	1,250	53	55.3	96	July 19	5	Jan. 22	71	36.72	6.12	June	1.59	Apr.		128	*113*	*147*	*105*	
New Cumberland	Hancock	671	52	*53.3*	95	July 8†	0	Jan. 27	49	31.83	5.60	May	0.73	Jan.	9.5	127	149	88	128	nw.
New Martinsville	Wetzel	637	54	56.0	98	July 19	6	Jan. 23	53	35.40	6.48	June	1.67	Jan.	4.1	108	168	108	89	sw.
Parkersburg	Wood	615	62	56.4	95	July 19	9	Jan. 22†	62	38.29	7.78	June	1.00	Sept.	6.7	132	87	117	161	se.
Parsons	Tucker	1,649	48	53.1	92	July 11	2	Jan. 23	48	39.91	6.29	June	1.37	Aug.	34.9	161	*86*	*131*	*148*	uw.
Philippi	Barbour	1,300							54	36.40	5.20	June	1.41	Apr.	24.8	132				
Roanoke	Lewis	1,050							23	39.65	5.29	July	1.78	Apr. *	17.0	106	*161*	*82*	*122*	
Rowlesburg	Preston	1,375	5	53.1	95	July 19†	2	Jan. 23	62	40.91	5.78	July	1.72	Aug.	26.5	112				nw.
Saint Marys	Pleasants	625							36	38.60	5.54	June	1.72	July		114				
Thomas	Tucker	2,950							18	45.24	9.11	June	1.59	Aug. *	44.2	125				
Valley Chapel	Lewis	1,011	23	56.1	96	July 20	4	Feb. 12	23	39.51	6.28	May	1.44	July	15.7	131	139	128	98	w.
Valley Head	Raudolph	2,425							9	41.77	7.79	July	1.35	Sept.	39.0	134				
Wellsburg, 3 NE	Brooke	668	47	52.7	98	July 8	−11	Jan. 23	54	35.81	5.69	May	0.94	Jan.	7.0	95	151	89	125	
West Milford	Harrison	979							21	41.63	6.21	May	1.88	Nov.	10.0	132				
Weston	Lewis	1,026	53	58.0	96	July 10†	5	Jan. 23†	56	42.76	6.26	May	1.57	Apr.	21.7	132				
Wheeling (Dam 12)	Ohio	659	39	53.9	95	July 9†	1	Jan. 23	63	30.58	5.60	June	0.87	Jan.	11.1	121				sw.
Southern Division																				
Alderson	Monroe	1,570	3	56.4	95	June 19†	− 4	Jan. 23	3	*30.53*	5.60	July	0.98	Sept.		*65*				
Arbovale	Pocahontas	2,727							24	33.31	5.74	June	0.99	Sept.	28.5	106	155	94	116	w.
Athens	Mercer	2,600	3	53.6	88	July 14†	0	Jan. 23	3	28.54	4.25	Jan.	1.15	Sept.	16.0	132	160	104	101	nw.
Bluefield	Mercer	2,558	48	55.3	90	July 19†	7	Jan. 23	52	34.22	5.36	Jan.	1.58	Aug.	20.5	132	176	78	111	
Bluestone Dam	Summers	1,408	4	55.4	96	Aug. 3	3	Jan. 23	4	25.55	3.96	July	0.89	Sept.		104	137	93	135	
Camden-on-Gauley	Webster	2,029							28	37.28	7.14	May	1.60	Nov.		123				
Charleston	Kanawha	602	43	57.8	100	Sept. 9	5	Jan. 28	60	36 20	5.61	May	1.93	Nov.	12.3	128	175	71	119	
Charleston (Airport)	Kanawha	606	9	57.1	96	July 19	3	Jan. 27	9	42.93	6.61	May	2.21	Nov.	10.8	125	95	117	153	ne.
Clay	Clay	790							33	*38.00*	*5.90*	May	1.44	Sept.	14.8					
Cranberry Glades	Pocahontas	3,400	3	49.1	88	July 15†	−18	Jan. 23	3	39.48	5.15	May	1.32	Sept.	60.4	125	126	118	121	ne.
Flat Top	Mercer	3,270	9	51.0	86	July 11	− 2	Jau. 23†	9	36.11	4.67	July	1.37	Oct.	27.4	142	115	115	135	nw.
Gary	McDowell	1,426	27	*55.7*			7	Jau. 23	30	38.32	5.56	May	1.31	Nov.	9.5	136				
Hamlin	Lincoln	642	4	55.3	93	July 19	− 5	Jan. 27	4	40.57	6.61	June	1.87	Nov.	7.9	109	175	81	109	
Hinton	Summers	1,431	49	*58.1*	99	July 18	− 1	Jan. 23	58	*28.77*	4.57	July	1.28	Nov.	10.1	117				
Hogsett	Masou	564							9	39.90	7.80	June	1.22	Sept	2.0	124				
Huntington	Cabell	571	50	59.2	96	July 19	6	Jan. 27	51	39.75	8.06	June	1.28	Nov.	9.5	122	110	139	116	ne.
Kayford	Kanawha	1,335							30	35.76	5.20	Mar.	1.47	Oct.		85				
Logan	Logan	700	20	58.4	97	July 21†	8	Jan. 28†	34	37.06	4.82	May	1.77	Nov.	7.7	141	198	66	101	
London Locks	Kanawha	623	12	57.9	95	July 19	9	Jan. 28	12	36.83	5.15	May	1.38	Nov.		129				w.
Madison	Boone	675	25	*56.4*					26	*34.53*	5.02	May	1.09	July						
Oak Hill	Fayette	1,950	5	*54.7*			4	Jan. 23	5	*33.44*	5.11	Mar.	1.39	Nov.	19.0					
Point Pleasant	Mason	595	53	58.1	95	July 19	9	Jan. 22	57	43.29	8.87	June	1.51	Sept.	1.9	127	171	59	135	sw.
Princeton	Mercer	2,410	11						17	28.10	4.19	July	1.23	Sept.	6.4	131				
Rainelle	Greenbrier	2,424	16	51.6	89	July 19	−11	Jan. 23	16	39.44	5.80	July	1.33	Sept.	44.0	153	172	50	143	
Ravenswood (Dam 22)	Jackson	584	24	54.7	92	July 10†	7	Jan. 23	32	34.86	6.42	June	1.32	Apr.		117	159	62	144	nw.
Richwood	Nicholas	2,193	16	*52.4*	88	July 19			16	*37.30*	5.30	May	1.85	Sept.	*15.5*	124	*110*	*181*	*68*	*116*
Spencer	Roane	789	47	55.0	92	July 19†	6	Jan. 22†	48	39.27	5.85	June	1.35	Apr.	12.5	128	123	139	103	
Summersville	Nicholas	1,900	11	51.0	92	July 13	− 7	Jan. 28	11	33.58	4.46	May	1.42	Nov.		97	*125*	*169*	*71*	
Sutton	Braxton	850	44	57.2	96	July 19†	0	Jan. 28	44	38.68	5.71	May	1.94	July	21.0	121				
Union	Monroe	2,200	43	52.6	93	Sept. 9	− 2	Jan. 23	42	30.23	3.85	Jan.	1.46	Oct.		106				
Wayne	Wayne	598							22	37.27	5.33	June	1.09	Nov.	8.2	109				
White Sulphur Springs	Greenbrier	1,914	34	54.9	94	July 21	− 5	Jan. 23	33	31.85	6.21	June	0.55	Sept.	19.2	109				
Williamson	Mingo	673	45	58.9	96	July 19	9	Feb. 15	46	38.04	5.07	July	1.91	Sept.	13.2	129	204	63	98	ne.
Winfield Locks	Putnam	571	9	56.6	95	July 10	5	Jan. 28	9	39.78	6.10	May	1.59	Nov.	8.5	122				w.
State averages and extremes				**54.4**	**100**	**July 19†**	**−18**	**Jan. 23**		**36.60**	**10.22**	**June**	**0.40**	**Nov.**	**18.2**	**118**	**145**	**103**	**117**	**w.**

† Also on other dates. * Also other months.

Monthly and Annual Precipitation for the Year 1946, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	2.11	−2.39	3.59	+0.09	3.32	−1.19	2.12	−1.72	6.51	+2.21	6.41	+1.28	1.16	−3.08	1.85	−2.53	3.18	−0.13	3.22	−0.04	1.61	−1.39	2.83	−1.01	37.91	−9.90
Berkeley Springs	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.55	.....	2.27	.....	4.21	.....	0.72	.....	1.66	.....	.....	.....
Brandywine	2.09	−0.25	2.17	+0.41	2.95	+0.48	1.84	−0.83	3.24	+0.16	3.55	−0.33	3.40	−0.17	0.84	−2.74	1.51	−0.87	*2.75*	+0.38	0.68	−1.10	*1.50*	−0.60	*26.52*	−5.46
Harpers Ferry	1.65	−1.06	2.59	+0.33	2.07	−0.98	0.76	−2.49	5.95	+2.51	3.73	+0.08	2.28	−1.22	5.31	+1.32	4.42	+1.76	4.22	+0.96	1.15	−1.04	2.42	−0.19	36.55	−0.02
Inwood	1.14	.....	1.73	.....	3.45	.....	0.61	.....	2.90	.....	3.34	.....	2.36	.....	5.60	.....	3.84	.....	3.16	.....	0.88	.....	1.88	.....	30.79	.....
Kearneysville	1.23	−1.55	2.24	−0.14	1.92	−1.40	0.44	−2.81	4.40	+0.91	4.16	+0.53	2.60	−0.59	7.66	+3.91	3.20	−0.13	4.11	+0.85	0.88	−1.72	1.87	−0.54	34.69	−2.71
Martinsburg	1.06	−1.45	2.14	−0.26	3.03	−0.23	0.74	−2.37	3.64	+0.25	2.72	−1.42	2.07	−1.55	6.38	+2.32	3.52	+0.60	2.84	−0.23	1.10	−1.15	1.65	−1.11	30.89	−6.60
McNeill	0.79	−1.59	1.48	−0.65	2.41	−0.18	0.94	−2.02	4.56	+1.33	4.10	+0.50	3.27	+0.24	1.59	−1.40	1.38	−0.90	2.97	+0.66	1.68	+0.13	1.11	−0.95	26.28	−4.83
Petersburg	0.90	.....	1.60	.....	3.03	.....	1.13	.....	3.92	.....	4.59	.....	2.34	.....	1.89	.....	0.82	.....	2.76	.....	0.40	.....	1.27	.....	24.65	.....
Piedmont	1.72	−0.86	2.68	+0.44	2.02	−0.96	1.19	−1.82	5.58	+1.93	6.18	+2.18	0.77	−2.71	3.22	−0.37	1.76	−0.65	2.73	+0.08	0.63	−1.26	2.03	−0.38	30.51	−4.38
Stony River Dam	2.47	−0.34	*3.76*	+0.91	3.25	−0.10	2.41	−1.34	6.85	+2.25	6.66	+2.64	1.46	−2.68	1.49	−3.09	1.17	−1.61	4.41	+1.21	1.32	−1.63	2.50	−0.74	37.75	−4.52
Wardensville, 2½ NE	1.06	−1.07	2.08	+0.37	2.72	+0.52	0.57	−1.94	4.15	+1.19	4.08	+1.08	2.76	−0.34	3.76	+0.13	1.32	−1.27	2.95	−0.21	0.52	−1.11	1.35	−0.39	27.32	−3.04
Northern Division																										
Aberdeen	1.63	−1.77	3.96	+0.86	3.45	−0.34	1.66	−2.14	4.74	+0.87	4.92	+0.56	3.75	−1.04	2.02	−2.46	3.07	−0.24	2.89	−0.65	1.95	−1.39	3.08	+0.08	37.12	−7.66
Benson	2.33	−1.28	4.24	+0.53	5.77	+2.31	2.34	−0.87	6.05	+2.12	6.18	+1.87	2.01	−3.14	1.63	−2.82	3.07	−0.56	3.26	−0.30	1.98	−1.51	3.13	−0.36	41.99	−4.01
Bens Run	2.01	−1.97	2.77	−0.34	3.04	−1.00	1.44	−2.12	5.31	+1.31	5.42	+1.20	1.84	−2.69	2.45	−1.79	1.98	−0.61	1.67	−1.35	1.86	−1.04	3.52	−0.04	33.30	−10.44
Brandonville	2.00	.....	1.59	.....	3.82	.....	1.73	.....	5.13	.....	5.88	.....	2.55	.....	2.16	.....	2.81	.....	3.27	.....	2.63	.....	3.56	.....	37.13	.....
Brownsville	1.91	−1.68	3.61	+0.54	3.37	−0.10	1.70	−1.66	4.77	+0.54	5.02	+0.71	3.03	−1.77	2.31	−1.96	2.83	−0.92	3.06	−0.36	2.06	−1.61	2.86	−0.46	36.53	−8.73
Buckhannon	2.10	−2.30	4.12	+0.36	5.39	+0.88	1.95	−1.94	5.14	+0.71	7.27	+2.56	2.83	−1.89	2.39	−1.70	3.02	+0.06	2.93	−0.21	2.01	−1.09	3.09	−1.09	42.24	−5.65
Cairo, 3 S	1.96	−1.99	3.96	+0.99	5.54	+1.72	1.53	−1.93	6.52	+3.10	6.42	+1.91	2.19	−2.23	4.30	+0.43	2.43	−0.37	2.11	−0.81	1.20	−1.68	2.49	−0.96	40.66	−1.81
Canaan Valley	2.54	.....	3.46	.....	2.47	.....	2.26	.....	6.35	.....	9.74	.....	4.69	.....	2.17	.....	1.33	.....	3.84	.....	1.89	.....	2.86	.....	43.60	.....
Clarksburg	1.99	−1.32	3.33	+0.29	3.73	+0.71	1.92	−1.45	5.98	+2.30	5.88	+1.61	0.86	−3.22	2.74	−1.74	2.18	−1.42	2.83	−0.30	1.32	−1.87	2.63	−0.45	35.39	−6.86
Creston	2.53	−1.40	4.19	+1.00	6.19	+2.09	1.01	−2.65	6.60	+2.89	10.22	+5.84	2.52	−1.70	3.60	−0.26	2.22	−0.47	*3.63*	+0.48	1.94	−0.81	3.09	−0.38	47.74	+4.63
Dam 10, Mon. R	2.04	−1.15	2.87	0.00	3.17	−0.60	1.48	−1.99	5.09	+1.02	5.40	+1.06	2.94	−1.14	3.57	−0.49	3.44	−0.08	3.43	+0.26	1.85	−1.30	2.18	−1.24	37.46	−5.65
Dam 13, O. R	1.25	−1.88	2.52	+0.09	2.32	−1.11	2.23	−1.09	4.72	+1.30	4.68	+0.85	2.46	−1.90	2.17	−1.20	1.99	−0.99	3.25	+0.56	1.63	−0.75	2.42	−0.56	31.61	−6.68
Dam 15, Mon. R	1.70	−1.52	2.86	−0.13	3.06	−0.08	1.84	−1.45	5.76	+2.16	6.13	+2.14	2.90	−1.03	3.20	−0.93	2.76	−0.43	2.92	−0.32	1.71	−1.58	2.26	−0.87	37.10	−4.04
Dam 19, O. R	1.97	−1.44	3.36	+0.79	5.56	+2.02	1.70	−1.48	4.72	+1.30	7.01	+3.09	2.51	−1.42	3.17	−0.49	1.70	−0.96	2.09	−0.56	1.82	−0.82	2.34	−0.79	37.95	−0.76
Dam 20, O. R	2.41	−1.21	3.80	+1.04	5.86	+2.15	1.73	−1.51	5.80	+2.34	6.99	+3.00	2.28	−1.65	2.68	−1.11	1.52	−1.07	2.37	−0.38	1.79	−0.81	2.69	−0.45	39.92	+0.34
Elizabeth	2.03	−1.74	3.00	+0.14	6.80	+3.05	1.69	−1.48	5.18	+1.75	8.60	+4.39	2.07	−2.33	4.03	+0.03	2.17	−0.42	2.85	−0.07	1.85	−0.69	3.40	+0.27	43.67	+2.90
Elkins	1.81	−1.97	3.25	+0.17	3.25	−0.55	1.93	−1.69	5.31	+1.26	6.22	+1.16	2.99	−2.39	2.11	−1.75	3.00	−0.15	2.83	−0.08	1.57	−1.21	3.07	−0.39	37.34	−7.59
Fairmont	1.73	−2.20	2.26	−0.76	2.62	−1.35	1.28	−1.99	6.02	+2.14	5.83	+1.42	2.83	−1.57	1.39	−2.61	2.37	−0.58	2.86	−0.25	1.40	−1.36	2.48	−1.01	33.07	−10.12
Glenville	2.52	−1.91	.....	.....	.....	.....	.....	.....	.....	.....	5.83	+1.44	4.58	−0.29	2.83	−1.40	2.75	−0.47	3.01	−0.20	2.00	−1.05	2.29	−1.64	.....	.....
Grafton	1.57	−2.00	3.27	+0.36	3.80	+0.04	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.30	+0.69	.....	.....	1.86	−0.57	2.68	−0.40	.....	.....
Harrison County Airp't	1.50	.....	2.93	.....	3.59	.....	1.57	.....	5.24	.....	6.46	.....	1.89	.....	2.86	.....	3.23	.....	3.41	.....	1.73	.....	2.24	.....	36.65	.....
Hastings	2.30	−1.46	3.20	−0.06	4.70	+0.23	2.60	−1.41	5.52	+0.89	6.36	+0.74	1.43	−3.36	3.24	−1.89	1.62	−1.38	3.58	+0.27	2.09	−0.77	3.57	−0.05	40.21	−8.25
Jane Lew	1.61	−1.65	4.08	+1.31	3.81	+0.55	1.66	−2.09	5.90	+1.30	7.16	+3.09	2.32	−2.62	2.69	−2.16	3.30	+0.06	2.97	−0.35	1.85	−1.47	2.82	−0.26	40.07	−4.29
Mannington, 1½ NW	2.23	−1.89	3.47	+0.57	4.39	+0.36	2.09	−1.61	6.32	+2.31	6.79	+2.51	3.27	−1.52	3.48	−0.60	2.13	−1.26	3.02	−0.15	2.47	−0.57	3.00	−0.57	42.66	−2.42
Middlebourne, 2¾ SE	1.80	.....	2.71	.....	3.66	.....	1.78	.....	5.30	.....	5.45	.....	1.20	.....	2.51	.....	2.19	.....	3.28	.....	2.08	.....	2.72	.....	34.68	.....
Morgantown, 2 N	1.88	−1.58	2.31	−0.25	3.19	−0.20	1.59	−1.56	4.77	+1.07	6.12	+1.88	3.94	−0.44	2.45	−1.56	3.50	+0.63	3.36	+0.21	1.67	−0.86	1.94	−1.16	36.72	−3.82
New Cumberland	0.73	−2.11	2.93	+0.49	2.60	−0.64	0.96	−2.32	5.60	+2.20	5.54	+0.99	1.88	−2.20	2.51	−0.88	1.33	−1.58	4.03	+1.31	1.56	−0.76	2.16	−0.60	31.83	−6.10
New Martinsville	1.67	−2.31	2.94	+0.10	3.26	−0.53	2.06	−1.44	4.16	+0.49	6.48	+2.37	2.65	−1.84	2.06	−1.83	1.83	−1.20	3.19	+0.07	1.75	−1.09	3.35	−0.21	35.40	−7.40
Parkersburg	2.10	−1.48	3.79	+0.66	5.00	+1.51	1.63	−1.56	4.66	+1.28	7.78	+3.78	2.21	−2.08	3.73	+0.22	1.00	−1.76	2.04	−0.44	1.53	−1.04	2.82	−0.21	38.29	−1.12
Parsons	2.18	−2.43	4.72	+1.20	3.11	−1.10	2.26	−1.50	5.50	+1.37	6.29	+1.30	3.98	−1.11	1.37	−2.68	2.34	−0.81	3.18	−0.09	1.77	−1.16	3.21	−0.84	39.91	−7.85
Philippi	1.61	−2.53	3.88	+0.70	2.38	−1.76	1.41	−2.31	4.56	+0.29	5.20	+0.51	3.92	−0.81	2.27	1.97	3.30	0.00	3.09	−0.05	1.70	−1.23	3.08	−0.69	36.40	−9.85
Pickens	4.93	−1.39	5.77	+0.68	5.29	−0.62	3.13	−2.06	7.09	+1.84	7.49	+1.69	3.77	−2.27	4.29	−1.18	3.44	−0.66	3.00	−1.04	3.28	−0.94	3.84	−1.54	55.32	−7.49
Roanoke	1.79	−1.81	4.08	+0.70	4.90	+1.28	1.78	−1.80	4.40	+0.04	3.74	−0.57	5.29	+0.40	2.42	−1.92	3.04	−0.36	2.93	−0.49	1.78	−1.59	3.50	+0.13	39.65	−5.99
Rowlesburg	2.20	−2.71	3.84	+0.19	3.05	−1.80	2.36	−1.83	4.86	+0.23	5.35	−0.02	5.78	+0.58	1.72	−2.81	3.01	−0.47	2.79	−1.56	2.31	−1.24	3.64	−0.74	40.91	−12.18
St. Marys	2.25	−1.49	3.39	+0.46	4.36	+0.44	2.11	−1.31	4.79	+1.28	5.54	+1.37	1.72	−2.44	2.44	−1.65	3.34	+0.64	2.88	+0.02	2.22	−0.58	3.56	+0.22	38.60	−3.04
Thomas	2.84	−1.14	4.29	+0.73	3.17	−1.94	2.42	−1.76	6.31	+1.06	9.11	+4.00	4.08	−2.41	1.59	−3.50	2.52	−1.48	3.14	−1.10	1.59	−1.40	4.18	+0.33	45.24	−8.61
Valley Chapel	2.11	−1.43	4.27	+1.20	4.38	+0.69	1.46	−1.95	6.28	+2.39	6.17	+2.42	1.44	−3.49	2.96	−1.20	3.26	−0.06	3.10	−0.31	1.68	−1.59	2.40	−0.82	39.51	−4.15
Wellsburg, 3 NE	0.94	−2.11	2.91	+0.72	2.70	−0.49	1.81	−1.35	5.69	+2.49	4.08	−0.06	3.66	−0.52	2.31	−1.25	2.66	−0.33	3.43	+0.71	3.23	+0.66	2.39	−0.52	35.81	−2.05
West Milford	2.45	−0.62	4.28	+0.95	5.04	+1.50	2.49	−1.33	6.21	+2.48	6.04	+1.77	2.14	−2.51	2.39	−2.23	2.93	−0.34	3.16	−1.06	1.88	−1.73	2.62	−0.46	41.63	−3.58
Weston	2.53	−1.58	4.51	+0.91	4.25	−0.03	1.57	−1.94	6.26	+2.42	6.00	+1.66	3.63	−0.79	2.54	−1.16	3.80	+1.17	3.12	+0.31	1.62	−1.32	2.93	−0.70	42.76	−1.05
Wheeling (Dam 12)	0.87	−2.17	2.61	+0.32	2.09	−1.19	1.69	−1.54	4.64	+1.54	5.60	+1.71	2.10	−2.20	2.02	−1.53	1.78	−1.14	3.25	+0.52	1.79	−0.64	2.14	−0.84	30.58	−7.16
Southern Division																										
Alderson	4.46	.....	1.66	.....	2.61	.....	2.58	.....	3.61	.....	1.65	.....	5.60	.....	1.50	.....	0.98	.....	2.54	.....	1.72	.....	*1.62*	.....	*30.53*	.....
Arbovale	2.74	−0.07	2.19	−0.68	3.22	−0.59	2.53	−0.69	3.61	+0.20	5.74	+1.99	5.24	+0.53	1.20	−3.11	0.99	−1.54	2.60	−0.04	1.62	−1.46	1.63	−1.53	33.31	−6.99
Athens	4.25	.....	1.85	.....	2.94	.....	2.82	.....	3.26	.....	2.34	.....	3.11	.....	1.62	.....	1.15	.....	1.60	.....	1.30	.....	2.30	.....	28.54	.....
Bluefield	5.36	+2.35	2.69	−0.24	4.12	+1.00	2.89	−0.22	4.10	+0.98	2.80	−1.43	3.99	−0.08	1.68	−2.03	1.78	−0.54	1.68	−1.09	1.62	−0.43	1.61	−1.27	34.22	−3.00
Bluestone Dam	2.93	.....	2.19	.....	3.30	.....	1.99	.....	2.65	.....	1.90	.....	3.96	.....	1.25	.....	0.89	.....	1.43	.....	1.55	.....	1.51	.....	25.55	.....
Charleston	2.28	−1.75	3.10	−0.21	3.02	−1.48	1.96	−1.91	5.61	+1.83	2.50	−1.89	4.08	−0.70	3.84	−0.63	2.78	−0.20	2.94	−0.10	1.93	−1.14	2.16	−1.48	36.20	−9.06
Charleston (Airport)	2.72	.....	3.65	.....	3.09	.....	2.45	.....	6.61	.....	4.20	.....	5.60	.....	4.19	.....	3.04	.....	2.71	.....	2.21	.....	2.46	.....	42.93	.....
Cranberry Glades	4.56	.....	3.51	.....	3.32	.....	3.44	.....	5.15	.....	3.35	.....	4.43	.....	1.87	.....	1.32	.....	2.39	.....	3.25	.....	2.89	.....	39.48	.....
Flat Top	4.63	.....	2.71	.....	3.63	.....	2.99	.....	3.36	.....	2.94	.....	4.67	.....	2.81	.....	2.02	.....	1.37	.....	1.97	.....	3.01	.....	36.11	.....
Gary	5.15	+1.70	2.64	−0.50	3.71	−0.45	4.02	+0.58	5.56	+1.59	4.09	−0.98	3.16	−1.77	3.00	−1.11	1.65	−1.34	2.05	−0.85	1.31	−1.39	1.98	−1.39	38.32	−5.96
Gamlin	2.85	.....	3.85	.....	3.00	.....	2.07	.....	5.71	.....	6.61	.....	4.34	.....	2.88	.....	2.48	.....	2.73	.....	1.87	.....	2.18	.....	40.57	.....
Glinton	3.09	−0.17	2.51	−0.38	3.82	−0.08	2.91	−0.29	2.80	−0.75	1.90	−2.40	4.57	+0.50	*1.45*	−2.71	1.40	−1.29	1.31	−1.52	1.28	−1.13	1.73	−1.45	*28.77*	−11.67
Huntington	2.87	−0.92	3.42	+0.34	3.41	−0.81	2.08	−1.43	6.22	+2.25	8.06	+3.83	3.54	−0.76	2.91	−0.79	1.49	−0.96	2.04	−0.48	1.28	−1.24	2.43	−0.94	39.75	−1.91
Layford	4.59	+0.37	3.12	−0.32	5.20	+0.56	2.35	−1.71	3.62	−0.78	3.10	−2.09	2.80	−2.37	2.43	−2.40	2.95	−0.43	1.47	−1.85	1.57	−1.58	2.56	−1.35	35.76	−13.95
Logan	4.02	−0.40	3.61	+0.14	2.80	−1.92	2.16	−1.99	4.82	+0.71	3.05	−1.84	4.47	−0.46	2.38	−2.11	2.78	−0.37	2.22	−0.83	1.77	−1.46	2.95	−1.15	37.06	−11.68
London Locks	3.14	−0.08	3.03	−0.16	3.42	−0.74	2.69	−0.62	5.15	+1.82	4.75	+0.45	2.14	−3.80	2.64	−1.65	3.28	+0.63	2.59	−0.33	1.38	−1.53	2.62	−0.59	36.83	−6.60
Madison	3.37	−0.73	*3.16*	−0.07	3.22	−0.96	1.53	−2.31	5.02	+0.69	4.77	+0.61	1.09	−4.24	3.42	−0.40	2.30	−1.16	1.46	−1.17	3.10	+0.45	2.09	−0.81	*34.53*	−10.10
Oak Hill	3.41	.....	2.45	.....	5.11	.....	2.48	.....	4.70	.....	3.78	.....	2.63	.....	*1.94*	.....	*2.08*	.....	1.77	.....	1.39	.....	1.70	.....	*33.44*	.....
Oneville	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.50	.....	.....	.....	1.66	.....	1.78	.....	1.69	.....	.....	.....
Point Pleasant	2.12	−1.83	3.98	+0.83	5.24	+1.15	1.94	−1.37	4.32	+0.33	8.87	+4.79	5.28	+1.14	3.67	+0.46	1.51	−0.90	2.31	−0.50	1.55	−1.28	2.50	−1.00	43.29	+1.82
Painelle	4.78	+0.57	3.66	−0.55	3.97	−1.58	2.81	−1.38	4.26	−0.21	3.86	−1.24	5.80	+0.01	1.68	−4.10	1.33	−1.79	1.88	−0.73	2.25	−0.74	3.16	−0.37	39.44	−12.11
Ravenswood (Dam 22)	1.63	−1.97	3.53	+0.56	4.54	+0.65	1.32	−1.84	3.68	−0.03	6.42	+2.28	3.32	−0.70	3.27	−0.08	1.83	−0.47	1.58	−1.21	1.53	−1.19	2.21	−1.11	34.86	−5.11
Richwood	2.48	−1.57	3.18	−0.94	3.36	−2.11	3.45	−0.39	5.30	+0.60	4.15	−0.94	4.60	−2.24	2.29	−2.87	1.85	−1.26	*2.12*	−0.73	*2.15*	−0.74	2.37	−1.12	*37.50*	−14.34
Ripley	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.37	.....	3.20	....	1.91	.....	2.53	.....	1.55	.....	2.16	.....	.....	.....
Spencer	2.20	−1.81	4.35	+1.20	4.68	+0.61	1.35	−2.04	5.52	+1.87	5.85	+1.34	3.40	−0.84	2.02	−1.95	2.26	−0.62	3.04	−0.12	2.06	−0.61	2.54	−0.87	39.27	−3.84
Summersville	2.59	.....	1.59	.....	3.29	.....	2.45	.....	4.46	.....	4.39	.....	3.06	.....	3.57	.....	2.71	.....	2.43	.....	1.42	.....	1.62	.....	33.58	.....
Sutton	2.70	−1.84	3.38	−0.06	3.80	−0.54	2.99	−0.86	5.71	+1.35	3.26	−1.70	1.94	−3.39	3.12	−1.13	4.13	+0.78	2.73	−0.26	2.00	−1.20	2.92	−0.90	38.68	−9.75
Union	3.85	+0.70	1.87	−0.98	3.20	−0.35	2.66	−0.23	3.75	+0.55	2.98	−1.01	3.36	−0.43	2.42	−1.51	1.52	−1.03	1.46	−1.27	1.65	−0.69	1.51	−1.41	30.23	−7.66
Webster Springs	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	3.86	.....	2.45	.....	2.80	.....	2.40	.....	1.63	.....	2.59	.....	.....	.....
White Sulphur Springs	3.65	+0.32	2.01	−0.62	2.82	−0.75	2.24	−1.04	4.58	+1.11	6.21	+2.23	3.70	−0.22	1.02	−2.57	0.65	−2.29	1.69	−1.12	1.73	−0.55	1.65	−1.45	31.85	−6.95
Williamson	4.34	+0.39	3.39	+0.04	2.83	−1.71	2.23	−1.45	4.59	+0.51	4.27	−0.50	5.07	+0.64	2.46	−1.53	1.91	−1.08	2.28	−0.51	2.09	−0.73	2.58	−1.20	38.04	−7.13
Winfield Locks	2.77	.....	3.86	.....	3.03	.....	1.93	.....	6.10	.....	4.72	.....	2.69	.....	5.13	.....	3.45	.....	1.98	.....	1.59	.....	2.53	.....	39.78	.....
Average for State	**2.38**	**−1.17**	**3.23**	**+0.10**	**3.62**	**−0.31**	**1.99**	**−1.52**	**5.11**	**+1.10**	**5.27**	**+0.81**	**3.20**	**−1.41**	**2.75**	**−1.33**	**2.27**	**−0.69**	**2.67**	**−0.18**	**1.67**	**−1.08**	**2.44**	**−0.83**	**36.60**	**−6.51**

Italic figures indicate values interpolated from nearby stations.

Supplemental Monthly and Annual Precipitation for 1946, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
Belington	2.05		3.53		3.01		1.89		4.31		7.78		4.16		2.01		3.57		3 11		1.55		3.06		40.03	
Big Skin Creek	1.66		3.64		4.19		1.22		5.20		5.29		3.40		2 33		3.10		2.03		1.75		3.08		36.89	
Camden-on-Gauley	2.74	-0.72	2.82	-0.17	2.65	-1.79	3.02	-0.75	7.14	+1.85	2.85	-2.22	3.81	-1.10	2.94	-2.53	2.76	-0.69	2.42	-0.60	1.60	-2.04	2.53	-1.61	37.28	-12.28
Coalwood	5.02		2.54		4.23		3.65		5.59		4.17		2.81		2.18		1.15		2.20		*1.85*		2.72		37.61	
Crawford	1.67	-1.81	3.58	+0.26	4.48	+0.15	1.75	-2.48	4.62	+0.13	3.36	-1.41	7.09	+1.95	2.51	-2.07	2.75	-0.99	2.66	-0.83	1.76	-1.88	2.90	-0.69	39.13	-9.67
Dailey	1.74		3.11		2.84		1.93		5.33		5.31		*3.00*		1.24		1.84		2.12		1.29		2.23		*31.98*	
Elk	2.09		4.14		3.67		1.84		5.20		5.94		2.08		1.54		3.65		3.10		2.18		3.02		38.45	
Hackers Creek	1.98		6.07		3.26		1.56		5.76		6.30		2.97		2.62		3.06		3.48		1 95		2.91		41.92	
Hall	1.89		3.67		4.26		1.69		5.42		6.35		3.79		2.20		2.73		3.80		1.77		3.18		40.25	
Hogsett	2.33	-1.51	3.84	+0 91	4.59	+0.71	1.73	-1.51	5.12	+1.44	7.80	+3.77	1.54	-2.34	4.79	+1.63	1.22	-0.96	2.78	+0.15	1.42	-1.26	2.74	-0.52	39.90	+0.48
Horner	1.71	-2.32	3.10	-0.55	3.23	-0.53	1.10	-2.26	4.29	-0.38	6.18	+1.88	3.42	-1.38	3.33	-1.55	3.56	-0.03	2.92	-0.77	1 73	-2.06	2.71	-0 82	37.22	-10.77
Ireland	1.18		4.17		3.63		0.74		5.07		4.29		2.66		1.54		3.36		2.53		1.78		3.47		34.42	
Knobly Mountain	1.57		1.65		2.41		1.35		6.25		3.44		5.12		2.50		1.37		3 10		0.65		1 49		30.70	
Kumbrabow St. Forest	5.47		*5.50*		4.51		4.40		8.79		5.65		4.31		3.56		2 50		3.23		3 35		4.04		*55.31*	
Midvale	2.28		4.15		4.14		2.25		5.41		6.93		3.54		2.96		2.48		3.13		2.07		3.32		42.61	
Mt. Clare	1.62		3.46		4.34		1.83		6.87		5.60		1.43		3.11		*3.00*		2.95		1.98		2.95		*39.14*	
Naoma							2.75										2.81		2.07		1.04		2.11			
Princeton	2.83		1.60		2.66		3.10		4.13		2.96		4.19		1 43		1.23		1.33		1.32		1 33		28.10	
Rockford	2 17		4.19		3.78		1.62		6.32		6.58		3.63		2.19		3 03		2.98		1.80		2.55		40.84	
Salem	1.97		3.87		3.99		1.77		6.19		7.28		3 15		2.40		2.70		3.14		2.53		2.64		41.63	
Shinnston	2.02		3.30		3.28		1.15		5.49		6.46		2.07		1.96		2.30		3.01		1.54		1.75		34.33	
Spruce Knob	2.31	-0.68	3.18	+0.42	3.83	-0.05	2.49	-1.09	6.38	+1.29	4.45	-0.18	4 51	-0.86	3.25	-2.40	2.12	-1.25	5.37	+2.04	1.01	-1.37	2.48	+0.04	41.36	-4 09
Valley Head	2.79		3.25		4.07		2.52		6.54		4.39		7.79		1.86		1.35		2.59		2.16		2.46		41.77	
Vandalia	1.69	-1.38	3.59	+0.57	4.18	+0.98	1.60	-2.10	5.58	+2.00	3.76	-0.05	5.95	+0.79	2.63	-1.57	3.05	-0.22	3.21	+0.24	2.08	-1.30	2.66	+0.26	39.98	-1.78
Wayne	3.13	-0.63	3.93	+1.01	3.29	-1.31	2.25	-1.41	5.29	+1.71	5.33	+1.31	3.22	-1.37	1.55	-2.70	3.53	+0.44	2.35	-0.52	1.09	-1.97	2.30	-0.73	37.27	-6.17

Monthly and Annual Mean Temperatures for the Year 1946, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.
Panhandle Division																										
Bayard	29.6	+0.8	30.1	+0.5	42.6	+4.9	45.9	+2.2	54.7	-1.7	62.2	-1.3	63.6	-4.0	60.2	-5.6	56.7	-4 2	49.6	+0.4	42.0	+2.9	34.2	+6.1	47.6	+0.1
Berkeley Springs															68.6		66.2		57.8		47.4		38 8			
Brandywine	30.9	0.0	33.2	-1.5	46.0	+4.6	49.2	-0.7	57.2	-1.4	65.8	-1 2	68.4	-2.9	64.2	-5.7	61.4	-3.3	*56.5*	+3.2	44.6	+2.6	37.2	+3.0	*51.2*	-0.3
Inwood	34.0		35.0		50.4		53.4		62.6		70.6		74.3		70.4		66.0		56.9		47.6		38.2		55.0	
Kearneysville	34.8	+0.9	35.6	+1.7	50.8	+8.8	53.6	+2.3	63.2	-0.2	70.1	-1.8	73.7	-2.4	69.0	-5.3	65.8	-1.7	57.7	+2.8	47.6	+2.6	38.9	+3.6	55.1	+1.0
Martinsburg	32.8	+1.8	33.2	+1.8	48.4	+6.8	51.3	-0.3	61.6	-1.2	68.2	-2.8	73.4	-2.3	68.8	-4.2	65 6	-1.3	56.9	+2.2	47.0	+3.8	38.8	+2.8	53.7	+0.6
McNeill	35.1	+4.1	36.0	+3.7	47.5	+6.5	52.4	+0.6	60.1	-0.1	67.6	-0.2	70.4	-1.2	66.3	-5.0	62.5	-3.3	55.3	+1.2	46.1	+3.8	38.0	+5.4	53.1	+1.3
Petersburg	35.4		36.6		49.6		52.2		61.2		68.7		71.9		68.3		65.2		57.4		47.6		39 0		54.4	
Piedmont	32.0	+1.1	34.6	+0.8	48.7	+7.5	51.8	+1.4	60.6	+0.6	67.6	-0.5	72.1	-0.2	68.4	-2.1	65.9	+0.2	57.4	+4.0	44.6	+2.4	36.6	+3.6	53.4	+1.6
Wardensville	33.6	+2.8	34.1	+0.3	47.5	+5.6	50.8	+1.2	60.4	+1.0	67.4	+1.9	71.6	+1.0	66.8	-2.7	63.4	-0.8	55.2	+2.6	46.0	+2.1	36.8	+3.1	52.8	+1.5
Northern Division																										
Benson	36.2	+2.1	36.2	-1.8	51.9	+11.6	52.4	-0.2	62.2	+1.4	70.1	+1.9	72.6	+0.1	67.0	-3.7	66 0	-0.9	57.0	+4.1	49.0	+5.9	39.4	+8.2	55.0	+2.0
Bens Run	36.1	+3.2	36.3	+3.5	53.0	+9.5	54.5	+1.7	62.8	-0.2	72.6	+1.8	76.0	+0.9	70.1	-3.5	69.0	+0.6	59.6	+3.0	49.2	+5.1	39.6	+4.8	56.6	+2.6
Brandonville	30.6		30.7		46 2		45.6		56.3		64 1		67.2		62.4		63.0		54.6		45.0		33.4		49.9	
Brownsville	37.6	+3.0	38.2	+0.6	53.6	+11.7	54.6	+2.3	62.8	+1.2	71.3	+1.8	73.4	-0.4	68 2	-4.0	65.9	-1.7	55.8	+1 2	48.8	+4.2	39.0	+2.4	55.8	+1.9
Buckhannon	35.2	+2.7	35.2	+2.1	50.4	+8.5	50.6	-0.5	59.8	-1.3	68.8	+0 4	71.3	-0.5	66.8	-3.1	64.9	+0.4	56.0	+2.2	48.1	+5.9	38.6	+4.4	53.8	+1.8
Cairo	36.4	+2.0	37.5	+3.3	53.0	+8.7	54.1	+0.1	61.8	-1.3	70.3	0.0	73.6	-0.7	68.8	-3.7	66.7	-1.4	59.0	+3.2	48.6	+4.9	39.5	+4.8	55.8	+1.7
Canaan Valley	30.8		31.6		45.0		46.5		55.5		62.4		64.2		61.0		57 3		50.8		43.3		34.7		48.6	
Clarksburg	32.3	-0.3	33.0	-1.6	48.6	+8.9	49.2	-2.0	59.1	-1.2	69.0	-0.4	72.4	-1.4	67 0	-5 0	64.7	-2.8	55.4	+2.0	46.0	+2.3	36.6	+1.4	52.8	+0.1
Creston	37.0	+2.9	37 6	+2.9	53.8	+9.8	56.0	+2.6	63.2	+0.1	71.0	+0 3	73.8	-0.9	69.1	-4.0	65.6	-2.2	56.9	+1.2	49.0	+4.8	37.6	+2.3	55.9	+1.7
Dam 10	33.5		35.2		51.4		54.1		60.5		69.3		72 6		67.9		66.6		58.7		48.5		38.1		54.5	
Elkins	33.2	+3.2	33.5	+2.5	48.0	+8.9	49.0	+1.6	57.8	+0.1	66.0	+0.4	68.4	-1.4	64.4	-3.9	61.8	-0.1	53.6	+2.5	45.9	+6.6	36.0	+4.3	51.5	+2.1
Fairmont	35.0	+2.8	37.8	+4.7	52 8	+11.3	53.2	+1.4	61.7	-0.4	71.1	+0.8	73.4	-0.9	68.7	-4.0	66.9	-0.5	58.5	+3.4	48.9	+6.0	39.2	+5 2	55.6	+2.5
Glenville	37.7	+3.9									71.8	+0.7	75.2	-0 1	73 8	-0.1	71.8	+3.3	62.1	+5.9	51.6	+7.3	41.2	+5.3		
Grafton	34.7	+2.1	35.3	+2.7	52.0	+10.5															46.7	+3.6	37.6	+3.4		
Harrison County Airport	33.4		34.2		50.9		50.1		59.5		68.8		71.2		66.2		64.5		56.5		47.7		37.1		53.3	
Mannington	34.5	+2.6	35.0	+2.2	50.6	+8 3	51.1	0.0	60.6	+0.2	69.6	+1.8	72.1	+0.3	66.8	-3.4	65.6	+0.7	56.2	+2.6	47.2	+5.2	37.3	+3.7	53.9	+2.0
Middlebourne	35.2		35.8		51.8		53.0		61.8		70.6		73.2		68.6		66.8		58.0		48.4		38.4		55.1	
Morgantown	35.5	+3.2	36.1	+3.3	53.0	+10.9	52 3	+0.6	61.3	-0.8	69.9	+0.6	73.6	+0.1	67.5	-4.5	68.2	+0.7	59.9	+4.7	49.4	+5.6	37 4	+3 0	55.3	+2.2
New Cumberland	30.2	+1.6	32.8	+3.7	48.4	+9.0	48.6	-0.6	58.3	-1.9	*66.9*	-1.3	73.2	+0.2	68.4	-2.4	67.0	+1.5	59.0	+5.0	49.0	+7 4	37.5	+5.8	53.3	+2.3
New Martinsville	35.6	+2.5	36.6	+3.1	52.8	+9.5	53 2	+0.1	62.4	-0.6	71.4	+0.3	74.8	-0.4	69.8	-3.9	68.8	+0.3	59.3	+2 5	48.8	+4.0	38.8	+3.5	56.0	+1.7
Parkersburg	36.0	+3.5	37.2	+3.0	54.1	+11.3	54.3	+0.9	62.7	-1.1	71.9	+0.5	74.7	-0.7	69.6	-4.3	68.0	+0.7	59.7	+3.6	49.8	+6.0	40.0	+4.8	56.4	+2.3
Parsons	34.8	+0.3	34.0	+2 3	49.8	+9.3	49.8	+0.6	59.8	+1.0	68.6	+1.7	70.8	0.0	66.7	-2.7	62.6	-1.1	56.0	+4.5	47.2	+6.0	37.6	+5.3	53.1	+2 1
Pickens	33.8	+2.9	35.0	+3.1	*48.7*	+9.5	*52.3*	+4.2	60.2	+2.1	65.1	+0.2	68.0	-0.6	63.1	-3.4	62.1	+0.3	55.8	+4 1	47.2	+6.8	37.2	+5.0	*52.4*	+2.9
Rowlesburg	31.6		34.8		49.9		48.6		59.6		67.8		71.3		67.4		65.5		57.5		46.9		36.4		53.1	
Valley Chapel	32.5	-2.6	36.6	-1.9	53.2	+10.7	54.9	+1.8	63.4	+1.8	71.5	+1.9	74.6	+0.6	69.6	-2.9	68.2	+0.2	59.0	+3 6	49.6	+4.6	40.5	+3.0	56.1	+1.7
Wellsburg (near)	32.0	+1.8	33.6	+3.6	50.3	+10 5	50.2	+0.6	59.8	-0.4	68.4	+0.4	72.0	-0.2	66.6	-3.7	65.0	+0.1	55.8	+2.3	45.0	+3.2	34.1	+1.7	52.7	+1.0
Weston	38.1	+4.0	40.8	+6.9	54 3	+10.5	56.2	+3.4	64.2	+1.5	72.8	+2.4	74.8	+0.4	70.2	-2.5	68.5	+1.2	60.0	+4.5	53.1	+9.1	42.8	+7.0	58.0	+4.0
Wheeling (Dam 12)	32.5	+2.1	33.2	+1.1	50.6	+10.1	50.4	-1.2	60.0	-1.8	69.3	-1.3	73.4	-1.4	68.4	-4.4	67.0	-0.4	58.8	+3.9	47.0	+4.8	36.6	+4.0	53.9	+1.3
Southern Division																										
Alderson	35.1		38.9		50.2		54.0		61.2		69.4		74.4		71.2		69.8		61.2		54.4		*37.3*		*56.4*	
Athens	35.0		34.8		49.4		55.0		58.6		67.0		71.0		63.8		63.8		55.4		49.6		39.3		53.6	
Bluefield	36.2	+1.3	38.7	+3.9	52.0	+7.6	55.0	+1.4	60.8	-0.8	68.4	-1.7	71.6	0.0	66.4	-4.1	64.8	-1.4	56.5	+0.8	51.6	+6.7	41 3	+4.4	55.3	+1.1
Bluestone Dam	34.4		38.4		51.1		56.0		61.2		70.7		74.2		68.8		65.0		57.6		49.4		37.6		55.4	
Charleston	36.4	-1.5	38.8	-0 4	54.0	+6.6	58.0	+1.7	64.0	-1.4	72.4	-0.7	76.1	-0.8	71.0	-4.3	70.0	-0.9	60.2	+1 3	51.4	+3.5	40.8	+1.2	57 8	+0.5
Cranberry Glades	28.5		33.0		47.4		51.9		55.8		61.4		63.8		59.9		61.2		50.9		42.4		33 0		49.1	
Flat Top	31.4		34.0		47.6		51.6		56.2		64.0		67.4		62.2		61.4		53.6		45.9		36.2		51.0	
Gary	36.0	+0.9	38.6	+0.7	51.6	+9.1	56.2	+2.8	62.4	+1.3	69.2	-0.1	*74.0*	+0.9	67 9	-4.1	66.2	-2.3	57.0	+1.4	50.0	+5.0	39.2	+1.4	*55 7*	+1.1
Hamlin	35.6		37.0		52.0		55 5		62.5		70 0		73.2		67.1		65.1		56.4		49.4		40.0		55.3	
Hinton	34.6	+0.1	38.8	+3.3	51.0	+6.9	60.3	+7.1	66.0	+2.6	74 8	+4.3	77.8	+3.4	*70.6*	-2.7	71.0	+3.0	60.8	+3.8	52.4	+8.3	39.2	+3.4	*58.1*	+3.3
Huntington	39.0	+5.0	40.6	+5.9	55.4	+10.4	59.4	+4.8	65.0	+0.3	73.8	+0.9	77.0	+0 4	72.3	-2.5	70.1	+1.1	61.6	+5.2	53.4	+9.1	43.4	+7.8	59.2	+4.2
Lewisburg																					48.1	+6.2	38.0	+4.8		
Logan	37.8	-1.2	40.6	+1.1	54.2	+7.1	59.0	+1.7	65.2	-1.8	73 4	-0.2	77.0	+1.0	71.6	-3.4	68.9	-1.5	59.6	-0.5	52.0	+4.7	41.4	+2.3	58.4	+0.6
London Locks	39.6		40.6		55.0		57.6		64.1		72.4		76.0		70.6		68.2		59.1		50.0		41.2		57.9	
Madison	*37.0*	+0.4	*37.3*	+0.7	49.2	+6.5	57.8	+3.5	63.9	+0.1	71.5	-0.8	76 1	+1.3	69.6	-4.8	67.1	-0.6	58 2	+2.6	50.2	+6.7	39.0	+4.0	*56.4*	+1.4
Oak Hill	33.8		35.0		51.8		53.8		59.9		67.4		71.2		*69.6*		*67.2*		56 0		48.4		37.2		*54.7*	
Pineville															70.8		68.6		57.3		49.2		36.6			
Point Pleasant	37.7	+3.6	39.3	+5 9	55.0	+9.8	58.5	+3 6	64.6	-0.1	72.8	+0.4	76.0	-0.4	71.0	-3.7	69.6	+3.7	60.6	+3.4	50.0	+4.7	42.2	+6.4	58.1	+3
Rainelle	31.8	-0 6	34.4	+0.9	47.3	+8.0	51.2	+3.0	57.6	-0.5	65 4	-0.1	70.0	+0.5	63.9	-4.4	61.8	-1.1	53.6	+2.8	46.0	+5.7	36.1	+2.9	51.6	+1.1
Ravenswood (Dam 22)	34 3	1.1	35.3	-3.5	50.2	+6.9	54.5	+0.7	61.1	-0.8	69.4	-1.1	72.0	-0.3	67.2	-5.7	65.9	-3.5	58.1	+1.8	50.0	+4.3	39.4	+1.5	54.7	-0.1
Richwood	*33.8*	-0.6	39.6	+5.1	46.8	+6.0	49.6	-0.3	57.0	-3 2	66.6	-1.8	69.6	-2.2	64.4	-6.0	61.6	-3.1	*55.5*	+2.8	*48 1*	+5.7	36.1	+1.0	*52.4*	+0.2
Ripley											70.8		74.4		68.6		66.3		58.0		49.6		40.4			
Spencer	36.2	+2.5	38.0	+2.8	52.1	+9.2	54.7	+1.9	61.6	-0.4	69.4	-0.3	72.2	-1.4	67.0	-5.3	65.4	-1.1	56.2	+1.3	48.6	+4.5	38.0	+1.5	55.0	+1.1
Summersville	32.8		33.9		48.2		51.0		57.2		64.6		68.6		63.2		60.8		53.4		44.0		33.8		51.0	
Sutton	38.2	+3.9	38.7	+2.6	53.0	+8.8	56.3	+3.5	63.7	+0.4	71.4	+0.1	75.3	+0.5	70.1	-3 0	68.3	-0.4	58.6	+1.9	50.9	+6.9	42.4	+7.2	57.2	+2.2
Union	31.9	-1.4	34.8	-0.4	48.0	+4.6	53.0	+1.2	58.8	2.1	67.2	-0.6	70.4	-1.2	65.6	-4.6	63.8	-2.3	55.0	+0.6	47.2	+4.8	35.2	+1.2	52.6	0.
White Sulphur Springs	35.2	+3.1	38.0	+2.5	50.4	+7.8	55.3	+3.9	61.6	+1.1	69.4	+1.4	71.9	+0.3	67.6	-2.7	63.8	-1.1	57.6	+5.2	49.0	+6.9	39.2	+6.1	54.9	+2.1
Williamson	38.2	+2.2	40 7	+3.3	55.1	+8.4	59.1	+3.6	65.8	+0.8	73.5	+0.9	77.6	+1.5	72.1	-2.7	69.6	-0.1	60.8	+3.0	52.5	+6.9	42.0	+4.4	58.9	+2.2
Winfield Locks	35.8		37.2		52 0		55.8		62.8		72.0		75 8		69.9		67.2		58.7		50.7		40.7		56.6	
Average for State	**34.6**	**+2.0**	**35.9**	**+2.5**	**50.7**	**+8.1**	**53.2**	**+1.4**	**60.8**	**-1.0**	**69.0**	**-0.8**	**72.5**	**-0.7**	**67.4**	**-4.3**	**65.5**	**-0.8**	**57.2**	**+2.5**	**48.4**	**+5.1**	**38.2**	**+3.6**	**54.4**	**+1.1**

Reference letters indicate number of days missing, for example, [b] 2 days, etc. Italic figures indicate values interpolated.

MONTHLY EVAPORATION FOR 1946

Station		Apr.	May	June	July	Aug.	Sept.	Oct.
Clarksburg	Evaporation, inches	3.674	3.402	5.317	5.614	3.887	3.212	1.701
	Wind movement, miles	2,767	1,623	1,597	1,266	1,283	1,121	1,279
Wardensville	Evaporation, inches	4.658	4.690	5.576	5.836	4.893	4.353	3.049
	Wind movement, miles	1,534	1,112	990	444	477	504	774

MONTHLY STATE DATA FOR 1946

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Average	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January	34.6	+2.0	80	−18	2.38	−1.17	6.0	11	9	8	14	w.
February	35.9	+2.5	75	−4	3.23	+0.10	7.7	11	10	7	11	w.
March	50.7	+8.1	88	11	3.62	−0.31	0.2	12	12	8	11	w.
April	53.2	+1.4	92	16	1.99	−1.52	0.4	9	11	9	10	w.
May	60.8	−1.0	90	25	5.11	+1.10	0.0	18	8	10	13	w.
June	69.0	−0.8	98	29	5.27	+0.81	0.0	11	12	10	8	w.
July	72.5	−0.7	100	35	3.20	−1.41	0.0	9	15	9	7	w.
August	67.4	−4.3	98	30	2.75	−1.33	0.0	7	12	11	8	w.
September	65.5	−0.8	100	23	2.27	−0.69	0.0	7	16	9	5	w.
October	57.2	+2.5	92	20	2.67	−0.18	T.	7	16	7	8	w.
November	48.4	+5.1	86	10	1.67	−1.08	T.	7	14	7	9	w.
December	38.2	+3.6	77	−6	2.44	−0.83	3.9	9	10	8	13	w.
Annual	54.4	+1.4	100	−18	36.60	−6.51	18.2	118	145	103	117	w.

KILLING FROSTS—1946§

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Aberdeen	Apr. 13	Oct. 2	London Locks	Apr. 18*	Nov. 14*
Alderson	Apr. 28*	Oct. 14*	Madison	Apr. 28*	Oct. 2*
Arbovale	Apr. 21	Sept. 15	Mannington	Apr. 28*	Oct. 2
Athens	Apr. 28	Oct. 2	Martinsburg	Apr. 11	Nov. 15*
Bayard	June 10*	Sept. 15	McNeill	May 9*	Sept. 1*
Benson	Apr. 28	Oct. 2	Middlebourne	Apr. 28*	Oct. 2*
Bens Run	Apr. 21*	Nov. 15*	Morgantown	Apr. 17	Nov. 15
Bluefield	Apr. 28*	Oct. 2	New Cumberland	May 13*	Oct. 13*
Bluestone Dam	Apr. 28*	Oct. 2	New Martinsville	Apr. 28*	Oct. 2*
Brandonville	Apr. 30*	Oct. 13*	Oak Hill	May 9*	Oct. 2*
Brandywine	June 5*	Aug. 27*	Parkersburg	Apr. 13	Oct. 13
Brownsville	Apr. 13	Oct. 2	Parsons	Apr. 27*	Oct. 2*
Buckhannon	Apr. 13	Oct. 13	Petersburg	Apr. 21	Oct. 14
Cairo	Apr. 29*	Oct. 2	Pickens	Apr. 28*	Oct. 2*
Canaan Valley	June 10	Sept. 1	Piedmont	Apr. 21*	Oct. 14*
Charlestou	Apr. 13	Nov. 14	Pineville	‡	Oct. 14*
Charleston (Airport)	Apr. 28*	Oct. 2*	Point Pleasant	Apr. 13	Oct. 13*
Clarksburg	Apr. 28*	Oct. 13*	Rainelle	May 9*	Oct. 2*
Coalwood	Apr. 28*	Oct. 2*	Ravenswood	Apr. 28*	Oct. 13*
Cranberry Glades	June 6*	Aug. 27*	Richwood	May 9*	Oct. 2*
Crawford	Apr. 28	Oct. 2	Ripley	‡	Oct. 2*
Creston	Apr. 28	Oct. 2	Rockford	Apr. 21	Oct. 13
Elkins	Apr. 21	Oct. 13	Rowlesburg	Apr. 18	Oct. 13*
Fairmont	Apr. 28	Oct. 2	Shady Springs	June 10*	Sept. 18*
Flat Top	Apr. 28*	Oct. 13	Spencer	Apr. 28	Oct. 2
Gary	Apr. 28*	Oct. 2	Summersville	May 9*	Oct. 2*
Glenville	‡	Nov. 14	Sutton	Apr. 13	Oct. 2
Grafton	‡	Oct. 14	Union	Apr. 28	Oct. 2
Greenbottom	Apr. 17*	Oct. 13*	Valley Chapel	Apr. 13	Oct. 2
Hamlin	Apr. 28	Oct. 2*	Wardensville	Apr. 22*	Sept. 15*
Harrison Co. Airport	Apr. 27*	Oct. 13	Webster Springs	‡	Oct. 2*
Hastings	‡	Oct. 2	Wellsburg	Apr. 28*	Oct. 2
Hinton	Mar. 23*	Nov. 6*	Weston	Apr. 28*	Oct. 2
Huntington	Apr. 13	Oct. 13	Wheeling(Dam 12)	Apr. 28*	Nov. 15*
Kearneysville	Apr. 28*	Oct. 14*	White Sulphur Spgs	May 9*	Oct. 2*
Kumbrabow State F'st.	May 9*	Oct. 2	Williamson	Apr. 14*	Nov. 14*
Logan	Apr. 28*	Nov. 14	Winfield Locks	Apr. 13*	Oct. 13*

§ Where frost was not recorded (*) indicates last or first temperature of 32° or lower.
‡ No record.

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	−9	33.90	50.60	42.37	45.96	.....	.....	.....	.....	.....
1892	52.3	99	−12	32.70	41.43	37.06	38.33	.....	.....	.....	.....	.....
1893	52.0	99	−25	36.26	39.68	41.40	39.82	.....	116	.....	.....	.....
1894	53.5	103	−29	34.78	36.51	30.38	34.52	.....	102	155	114	96
1895	51.5	107	−21	32.18	31.53	34.38	32.82	.....	100	150	111	104
1896	53.6	97	−10	35.43	46.66	41.84	43.49	.....	111	132	128	106
1897	53.5	103	−18	35.02	46.15	40.47	41.59	.....	116	141	113	111
1898	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	−23	44.63	55.93	52.03	**52.15**	35.0	138	128	102	135
1908	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	**50.1**	104	**−37**	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	**55.7**	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	**112**	−21	23.10	26.98	24.81	**25.43**	34.2	107	164	79	122
1931	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	**112**	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
1941	53.4	105	−11	29.51	39.45	33.72	35.97	27.8	115	145	106	114
1942	53.0	103	−23	43.95	50.84	47.24	48.42	41.9	136	120	114	131
1943	52.5	105	−17	30.89	44.05	38.99	40.08	34.9	126	136	110	119
1944	53.0	105	−15	37.64	50.03	41.02	44.78	42.1	135	132	107	127
1945	53.0	102	−14	42.63	55.19	46.42	50.37	34.1	139	128	109	128
1946	54.4	100	−18	30.95	39.55	35.91	36.60	18.2	118	145	103	117
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Period	53.0	112	−37	37.05	45.23	42.70	43.11	32.9	124	144	98	123

(Continued from page 97)

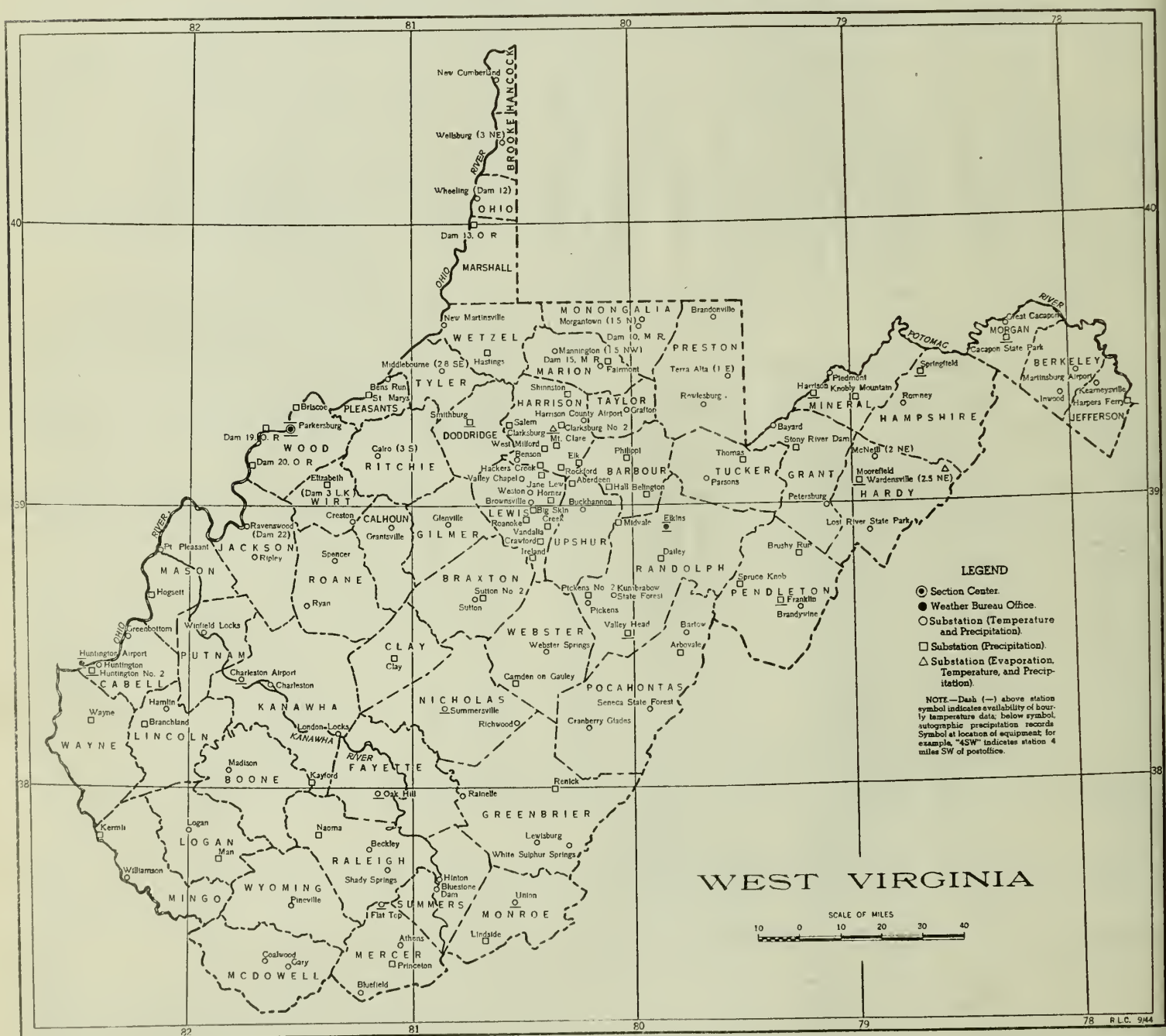
early corn was shocked and a little wheat sown by the end of the month.

OCTOBER.—The month was characterized by unusually warm daytime temperatures, while the nights were about normally cool. Killing frosts or freezing temperatures occurred at a number of places on the 2d and more generally on the 13th. A more nearly normal amount of rainfall, well distributed throughout the month, was a decided help to farmers. It was beneficial to pastures and meadows and helped germinate the new wheat seedings. Apple harvest continued all month with heavy tonnage moving to processors. Some of the largest commercial orchards, and quite a few of the smaller ones, completed the picking of the year's crop.

NOVEMBER.—November was warm—the fourth warmest of record. Minimum temperatures did not descend nearly so low as usual. However, frosty mornings were common. Precipitation was very deficient, averaging 61% of normal. The weather was mild and pleasant for the season. It was favorable for gathering the last of the crops and for seeding winter grains.

DECEMBER.—December was a mild, pleasant month with little snow or ice. It was the warmest December since 1941 and the ninth warmest of record. Below-zero temperatures occurred at a few of the high-level stations. It was a good month for outdoor work. Farm butchering got off to a late start. Trees did not become completely dormant during the month as sap was still flowing in maples and box elders as late as the 29th.

CHART SHOWING LOCATION OF OBSERVATION STATIONS



(W. B. O., Philadelphia, Pa. —6-20-47—1475)

NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LV JANUARY 1947 No. 1

GENERAL SUMMARY

The mean temperature was 39.0° which was 6.3° above normal. It was the warmest January since 1937 and the fifth warmest of record. No station had a minus departure in temperature. The warm periods were 2nd-3rd, 11-20th, and 24-30th. The cold periods were 4-10th, and 21st-22nd. Zero or lower temperatures were experienced at 8 stations on the 22nd and at 1 station on the 23rd.

Precipitation averaged 4.59 inches which was about 30 percent more than normal. All but a few widely scattered stations had plus departures. Precipatation was unusually heavy in the southeastern part of the State where the plus departures ranged from over 2 inches to almost 4 inches. The greater part of the precipitation was in the form of rain. Snow did not stay on the ground for long at any except the high-level stations. The greatest number of snow-lying days was 13 at Pickens No. 2. A wet snowfall on the 5th throughout most of the State was followed by freezing weather at night which produced very hazardous driving conditions on the streets and highways. On the 15th and 16th fairly heavy rains sent the Bluestone River over its banks and over State Route No. 20 between Hinton and Princeton. No damage was reported except that the road was closed for a time. The Tug River also rose and inundated one street in Welch with but minor damage.

Winter grains went through the month in good shape although the hard freezing weather of the 22nd caught the ground destitute of snow cover in most places. A little spring plowing was accomplished in some of the southern counties. Trees remained dormant all month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 39.0°, or 6.3° above the normal. The mean for the northeastern panhandle division was 37.8°; for the northern division, 38.6°; and for the southern division, 39.9°. The highest monthly mean was 44.3° at Weston; and the lowest, 34.1° at Cranberry Glades. The highest temperature was 78° at Hinton on the 29th; and the lowest, −6° at Kumbrabow State Forest on the 22nd.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 108 stations, was 4.59 inches, or 1.03 inches above the normal. In the northeastern panhandle division, the average was 2.91 inches; in the northern division, 4.85 inches; and in the southern division, 5.11 inches. The greatest monthly precipitation was 7.79 inches at Bluefield No. 2, and the least 0.90 inch at Brandywine. The greatest amount in any 24 consecutive hours was 2.18 inches at Bluestone Dam on the 1st. The average monthly snowfall was 6.9 inches, or 1.1 inches below normal. The greatest monthly snowfall was 19.5 inches at Pickens No. 2. The average number of days with 0.01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3	4	4	1	..	..	1	..	..	..	..	2	2	3	4	6	..	1	2	1	..	..	..	..	1	2	7	2	2	..	..
Gales	2	..	3	1	..	1	2	6	8	2	2	..	..	..	1	3	1	1	3	24	22	7	..	2	..	2	1	2	3	20	4
Glaze	2	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..
Sleet	21	1	..	1	7	3	11	..	..	1	..	..	2	..	..	1	1	..	..	1	1	..	..	..	4	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	1	..	..	..	..	1	8	..	..	..	..	..	8	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m		
Cincinnati, Ohio	30.54	4	29.29	20	7.9	34	sw.	21	84	68	62	19	787
Columbus, Ohio	30.65	1	29.19	20	11.2	38	s.	30	85	72	77	26	904
Elkins	30.63	1	29.28	20	8.6	35	w.	21	85	66	74	31	846
Huntington Airp't.	30.54	17	29.32	20	.....	29	sw.	20	84	63	70	....	763
Parkersburg	30.53	17	29.24	20	7.5	32	nw.	21	79	64	69	14	786
Petersburg, W. Va.	30.75	1	29.27	20	.....	35	s.	30	77	58	66	....	805
Pittsburgh, Pa	30.48	17	29.16	20	12 9	43	sw.	20	79	67	72	26	812

COMPARATIVE DATA FOR JANUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita n	Clear	Partly cloudy	Cloudy
1891	31.7	.....	.....	3.24	4.23	3.24	3.64	.....	.....	.....	.....	.....
1892	29.4	76	−3	2.95	3.57	2.66	3.15	.....	11	.....	.....	.....
1893	22.6	71	−25	2.26	2.87	2.02	2.49	.....	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	.....	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	.....	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	8	14
1897	28.8	69	−18	1 50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.0	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2 67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.4	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1 86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4 82	0.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	8.50	0.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	−7	3.22	3.66	3.65	3.59	11.0	14	8	7	19
1940	20.5	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	−6	2.15	3 03	2.59	2.73	5.1	12	5	7	19
1942	30.7	67	−23	1.64	2.09	2.10	2.02	5.6	8	10	8	13
1943	35.6	80	−9	3.28	3.78	3.03	3.43	13.4	14	6	9	16
1944	33.2	79	−13	2.12	1.96	2.28	2.11	5.9	7	11	9	11
1945	28.4	60	−14	2.20	3.70	3.20	3.28	12.3	15	5	7	19
1946	34.6	80	−18	1.44	2.05	3.37	2.38	6.0	11	9	8	14
1947	39.0	78	−6	2.91	4.85	5.11	4.59	6.9	14	6	9	16
Period	32.7	83	−34	3.03	3.82	3.56	3.56	8.0	12	9	7	15

Climatological Data for January 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	34.6	+5.8	68	30	− 4	22	4.73	+0.23	0.79	20	10.3	19	2	12	17	w.	Howard R. Fulk
Berkley Springs	Morgan	640	3	38.2	.....	72	30	7	22	3.14	.....	1.01	20	.....	7	6	14	11	w.	Hammond B. Shriver
Brandywine	Pendleton	1,586	31	36.8	+5.9	69	29	− 3	22	0.90	−1.44	0.50	1	4.0	3	14	12	5	n.	Clifford J. Dickenson.
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	3.25	+0.54	1.01	20	4.3	13	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	39.8	.....	72	30	7	22	2.63	.....	0.55	31	4.0	8	4	16	11	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	39.0	+5.1	71	30	7	22	3.03	+0.25	0.82	20	4.8	10	7	11	13	nw.	University Exper. Station
Martinsburg	Berkeley	545	55	36.8	+5.8	70	30	8	22	2.92	+0.41	0.94	20	5.9	12	10	10	11	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	13	38.4	+7.4	75	30	2	22†	2.16	−0.22	0.72	20	.....	7	5	10	16	w.	R. E. Saville
Petersburg	Grant	1,029	8	38.9	.....	73	30	8	22	2.35	.....	0.84	1	4.7	13	2	11	18	.....	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	36.8	+5.9	71	30	5	22	2.98	+0.40	0.78	20	5.7	11	4	11	16	w.	C. A. Suter, Jr.
Romney	Hampshire	824	46	40.0	+8.5	74	30	8	22	2.64	+0.25	0.78	31	4.5	13	9	5	17	.....	Marion W. Haines
Stony River Dam	Grant	3,300	15	.....	.....	.....	.....	.....	.....	4.33	+1.52	0.67	19	11.5	14	1	8	22	.....	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	36.1	+5.3	72	30	5	23	2.33	+0.20	0.70	21	4.9	10	9	19	3	sw.	Reymann Memorial Farm
Means and Extremes		.....	....	**37.8**	.....	**75**	**30**	**− 4**	**22**	**2.91**	....	**1.60**	**26**	**5.8**	**11**	**6**	**11**	**14**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	4.35	+0.95	0.69	20	9.5	15	0	14	17	w.	L. Esle Bond
Benson	Harrison	1,080	22	40.2	+6.1	71	30	3	22	4.88	+1.27	1.00	15	9.5	15	4	17	10	....	R. D. Marts
Bens Run	Pleasants	652	46	39.4	+6.5	68	30	6	22	6.05	+2.07	1.61	15	7.0	13	13	8	10	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	34.8	.....	68	30	− 2	22	4.89	.....	0.79	16	10.5	13	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	40.1	+5.5	72	14	4	22	3.76	+0.17	0.64	20	7.0	13	5	7	19	sw.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	39.8	+7.3	70	14†	2	22	4.51	+0.11	0.70	20	11.0	16	6	10	15	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	40.0	+5.6	71	30	4	22	5.59	+1.64	1.03	15	5.0	16	5	12	14	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	35.0	.....	64	29	− 5	22	4.52	.....	0.82	20	18.0	16	1	21	9	w.	George B. Thompson
Clarksburg	Harrison	1,015	24	37.8	+5.2	71	30	4	22†	4.14	+0.83	0.91	16	7.8	15	3	7	21	w.	Clarksburg Water Board
Creston	Wirt	640	46	40.0	+5.9	70	30	6	22	4.92	+0.99	0.75	15	5.7	18	4	8	19	.....	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	38.7	.....	72	30	4	22†	4.17	+0.98	0.80	16	4.1	16	9	2	20	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	...	.....	.....	.....	4.77	+1.64	0.93	16	2.3	17	...	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	.....	.....	.....	.....	.....	4.37	+1.15	0.98	16	6.0	17	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	5.79	+2.38	1.09	16	4.3	17	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	5.41	+1.79	1.01	16	4.8	15	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	37.6	+7.6	70	29	1	22	3.99	+0.21	0.90	20	8.5	16	1	9	21	w.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	40.3	+8.1	71	30	5	22	3.47	−0.46	0.95	15	7.1	13	4	9	18	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	43.0	+9.2	73	30	10	22	4.46	+0.03	0.81	15	9.8	14	0	13	18	w.	Howard R. Brannon
Grafton	Taylor	1,100	53	39.0	+6.4	71	30	3	22	4.24	+0.67	0.71	15	8.1	15	2	10	19	sw.	William D. Myers
Harrison County Airport	Harrison	1,188	7	38.4	.....	71	14	3	22	4.03	....	0.76	15	4.0	14	1	5	25	s.	U. S. Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	.....	.....	.....	6.72	+2.66	1.83	15	8.0	18	2	9	20	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	28	.....	.....	.....	.....	.....	.....	4.72	+1.46	0.81	15	5.9	16	.....	.....	.....	....	Reta Goldsmith
Mannington, 1½ mi. NW	Marion	974	45	38.6	+6.7	71	30	3	22	5.32	+1.20	1.17	15	7.4	18	1	12	18	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	6	38.9	.....	70	30	5	22	4.28	.....	0.82	2	5.4	12	2	5	24	sw.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,250	71	36.7	+4.4	62	29	9	21	3.75	+0.29	1.01	15	.....	12	1	13	17	s.	State Dairy Farm
New Cumberland	Hancock	671	52	37.4	+8.8	65	14†	4	22	4.30	+1.46	0.83	30	.....	14	2	8	21	se.	C. O. Valentine
New Martinsville	Wetzel	637	53	38.8	+5.7	70	30	5	22	6.47	+2.49	1.60	15	7.3	13	5	11	15	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	39.8	+7.3	71	30	7	22	5.74	+2.16	1.27	15	7.4	17	2	2	27	se.	Section Center
Parsons	Tucker	1,649	48	37.0	+2.5	72	29	2	22	4.38	−0.23	0.87	20	10.4	18	4	7	20	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	4.80	+0.66	0.65	20	10.0	18	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	57	38.7	+7.8	68	14	0	22	6.53	+0.21	1.22	16	14.5	16	1	14	16	sw.	Dr. J. L. Cunningham
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	4.11	+0.51	0.66	1	4.5	13	1	5	25	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	37.0	...	71	30	3	22†	5.01	+0.10	0.79	21	8.0	14	5	0	26	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	36	.....	.....	.....	.....	.....	.....	5.06	+1.32	1.01	16	5.0	14	...	....	...	.....	Edward Hughes
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	5.27	+1.29	1.27	21	8.0	19	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	41.8	+6.7	72	14†	3	22	4.96	+1.42	0.85	15	8.2	14	5	11	15	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	36.8	+6.6	68	30	3	22	3.91	+0.86	0.90	15	.....	10	4	8	19	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	5.13	+2.06	0.81	15	10.5	15	.....	.	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	56	44.3	+10.2	71	14	4	22	4.69	+0.58	0.66	16	8.2	18	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	36.5	+6.1	69	30	5	22	4.49	+1.45	0.86	31	5.2	15	2	6	23	sw.	Lockmaster
Means and Extremes		.....	....	**38.6**	.....	**73**	**30**	**− 6**	**22**	**4.85**	....	**1.61**	**15**	**8.2**	**16**	**3**	**9**	**19**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	.....	.....	.....	.....	.....	3.26	−0.45	1.16	20	10.0	14	8	5	18	w.	H. S. Sutton
Athens	Mercer	2,600	7	39.5	.....	69	29	4	22	6.10	.....	1.60	1	2.0	21	8	8	15	w.	Concord College
Bluefield	Mercer	2,558	52	41.6	+6.7	67	29	6	22	6.60	+3.59	1.92	15	7.0	18	15	4	12	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	39.2	.....	73	29	9	22†	5.89	...	2.18	1	7.0	15	7	4	20	.....	Willard F. Russell
Charleston	Kanawha	615	60	41.6	+3.7	71	14†	9	22	4.66	+0.63	0.97	15	8.0	18	8	5	18	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	40.8	.....	72	30	8	22	5.86	.....	1.09	15	6.0	17	2	5	24	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	34.1	.....	62	29	4	22	5.97	.....	1.54	15	18.2	15	2	13	16	nw.	Department of Justice
Flat Top	Mercer	3,270	9	36.4	.....	65	29	− 1	22	6.20	.....	1.56	1	2.4	17	5	9	17	sw.	U. S. Airway Station
Gary	McDowell	1,426	30	40.8	+5.7	73	29	10	22†	7.44	+3.99	1.15	1	8.0	20	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	39.8	.....	71	14†	9	22	3.91	.....	0.68	20	7.5	12	13	4	14	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	40.8	+6.3	78	29	9	22†	5.29	+2.03	0.85	20	6.5	15	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	43.2	+9.2	70	14†	9	22	4.94	+1.15	1.44	15	6.8	15	1	12	18	sw.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	.....	.....	.....	.....	.....	4.27	+0.05	1.15	16	7.0	9	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	38.0	+5.6	68	29	3	22	5.73	+2.38	1.36	1	6.2	17	11	2	18	w.	Prof. H. B. Graybill
Logan	Logan	700	34	42.3	+3.3	73	29	12	22†	5.64	+1.22	0.90	20	8.1	16	11	8	12	.....	J. W. Ruff
London Locks	Kanawha	623	12	40.3	.....	73	29†	10	22†	4.55	+1.33	0.70	30	9.7	20	8	0	23	w.	Lockmaster
Madison	Boone	675	26	40.6	+4.0	71	29†	10	22	4.74	+0.64	0.85	20	4.5	12	3	15	13	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	37.6	.....	70	29	4	22†	4.65	.....	0.89	1	8.0	16	8	4	19	.....	M. H. Martin
Pineville	Wyoming	1,350	5	38.3	.....	72	29†	8	22	4.64	.....	1.18	1	8.0	12	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	42.0	+7.9	70	30	6	22	5.18	+1.23	1.12	16	5.0	15	4	6	21	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	16	36.7	+4.3	68	29	1	22	5.68	+1.47	1.17	20	7.5	21	10	4	17	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	42.5	+7.1	70	30	6	22	4.10	+0.50	1.15	16	5.5	15	7	5	19	sw.	Lockmaster
Richwood	Nicholas	2,193	16	35.8	+1.4	68	30	− 2	22†	3.53	−0.52	0.64	31	6.0	11	14	5	12	..	Richwood Water Co.
Ripley	Jackson	610	5	41.2	.....	71	30	6	22	4.76	.....	1.43	15	.....	10	.....	.....	.....	.....	Richard Church
Spencer	Roane	789	48	40.2	+6.5	70	30	3	22	4.53	+0.52	0.91	2	11.0	18	0	8	23	.....	A. M. McKown
Summersville	Nicholas	1,900	11	36.8	...	71	29	1	22	4.28	....	0.70	31	6.0	14	2	24	5	.....	A. E. Dorsey
Sutton	Braxton	850	44	43.4	+9.1	72	29†	6	22	4.41	−0.13	0.86	20	10.0	14	13	10	8	..	C. B. Eakle
Union	Monroe	2,200	43	37.2	+3.9	70	29	3	22†	5.77	+2.62	1.05	1	8.0	14	11	3	17	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	42.4	.....	73	29	4	22	4.18	.....	0.61	15	9.4	16	8	7	16	nw.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,911	33	40.0	+7.9	70	29†	4	22	5.88	+2.55	1.58	1	8.8	17	2	10	19	w.	Greenbrier Hotel
Williamson	Mingo	673	46	42.3	+6.3	75	29	13	22†	5.26	+1.31	0.97	20	7.0	16	13	3	15	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	39.5	...	72	30	8	23	5.02	.....	0.92	16	5.2	17	9	1	21	w.	Lockmaster
Means and Extremes		.....	....	**39.9**	...	**78**	**29**	**− 2**	**22†**	**5.11**	.....	**2.18**	**1**	**6.0**	**15**	**8**	**7**	**16**	w.	
State Averages and Extremes		.....	....	**39.0**	**+6.3**	**78**	**29**	**− 6**	**22**	**4.59**	**+1.03**	**2.18**	**1**	**6.9**	**14**	**6**	**9**	**16**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1¼ miles S *Italics* interpolated.

Daily Precipitation for January 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.62	.05	.24	T	T.	23	.11	T.	.09	T.				.08	.42	.66	.05		.03	.79	.25	.04		T.	.32	.15	.09			.18	.33	4.73
Berkeley Springs	do	.53	T.			.38	T.								.12	.20	.03				1.01	T.					T.	T.				.87	3.14
Brandywine	do	.50				T.									T	T.	.15				.25					T.					T.		0.90
Brushy Run[2]	do	.58	.57				T.	.13							.06	.03	.07	T.			.38	.14				T.	T.					.31	2.27
Harpers Ferry[2]	do	.12	.65	.08			.07	.05							.16	.19	.13	.08			.60	.41						.29				.42	3 25
Inwood	do	.30	.47				T.	T.							.17	.16	.10				.16							.12			T.	.55	2.03
Kearneysville	do	.55	.12			.19	.01								.24	.24	.08				.82						.15					.63	3.03
Knobly Mountain[2]†	do	*	.60			T.									T.	.35	.25				.65	.25	T.			.12	.10					.65	2.97
Martinsburg[4]	do	.60		.02		.11		.02		T.			T.	.07	.18	.14	.05			.14	.80	T.			T.	.16				.63		2.92
McNeill†	do	.60					.15								.05	.12	.04		T.		.72						T.					.48	2.16
Petersburg	do	.84	T.	T.		.04	T.	.01		T.				.01	.04	.11	.02		T	.10	.67	.02				.02	.01				.46		2.35
Piedmont	do.	.76		.08			.11			T	T.				.15	.30	.09	.08			.78	.13				.02						.48	2.98
Romney	do	.30		.81		.01	.01								.10	.18	.02				.75	.02					.02	.02	.02		.12	.78	2.64
Springfield	do	.20	.37				.14								.10	.01	.37				.52	.28										.73	2.72
Spruce Knob[2]†	do.	.27	.12	T.			.09	T.		T.	T.				.26	.34	.36	.29	T.		.57	.62				23	.34	.22				.72	4.43
Stony River Dam[2]†	do	.50	.30		.50		.19	.11			.10				.14		.25	.48			.67	.15				.25	.05					.64	4.33
Wardensville[2]	do	.40	.49				.13								.08	.09	.16	T			.50	.20						.03				.25	2.33
Northern Division																																	
Aberdeen†	West Fork	.61	.08	.04	T.	T.	.33	.25		T.					T.	.54	.39	T.		.05	.69	.15			T.	.21	.41	.06			.27	.27	4.35
Belington[2]	Tygart	.22	.37	.01	.16	T.	.25	.11	.06	T.	.01				.05	.01	.36	.61			.38	.68	.01			.10	.13	.20				.59	4.31
Benson†	West Fork	.53	.30	.05			.27	.20		.05						1.00	.36			.05	.60	.16				.36	.38			.22	.35	4.88
Beus Run	Ohio	.78	.57			.30		.12					.02		1.61	.18				.03	.80	.15				.30	.51			.68		6.05
Brandonville[2]	Cheat	.15	.34	.32	.06		.50	.15	T.		T.		T.		T.	.39	.79	T.			.58	.46	T.		T.		.60	.04			.51	4.89
Brownsville†	West Fork	.62	.19	.04			.24	.18								.46	.32			.05	.64	.12				.18	.40			.32		3.76
Buckhannon	Tygart	.43	.05	.26	T.	.22	.10	.17	T.	.02					T.	.49	.55			.09	.79	.12			T.	.31	.44	T.		.55	.01	4.51
Cairo	Litl.Kanawha	.40	.65	.06	.25	.22	.08						T.		1.03	.20					.82	.15	.03		T.	.43	.57	.05		.33	.32	5 59
Canaan Valley	Cheat	.30		.13			.30	.08		.40					.04	.32	.60			.12	.82	.13				.36	.21	.04		.40	.27	4.52
Clarksburg[5]	West Fork	.18	.32	.13			.27	.10	.02							.07	.91	.15			.27	.45				.46	.15	.17				.49	4.14
Crawford	do.	.61	.04	.21	T.	T.	.33	.11			T.				.02	.48	.47			.03		.66	.07			.03	.47	.03			.61		4.16
Creston[2]	Litl.Kanawha	.29	.55	.14	T		.20	.24	.02		T	T.	T.		.01	.75	.09	.21			.65	.51	.02		T.	.03	.38	.21				.62	4.92
Dailey[2]†	Tygart	.40	.49	.01	T.	T.	.15	.11	.06	T.	.01				.02	.05	.42	.36		.03	.37	.38	.02	T.		.07	.07	.20				.65	3.87
Dam 10, Mon. R.[2]†	Monongahela	.06	.34	.30	.03		.25	.03	.05		T.					.18	.80	.14			.17	.74	T.			.22	.08	.20				.58	4.17
Dam 13, O. R.[2]†	Ohio	.01	.49	.53	.05		.14	T.	.02				.02		T.	.31	.93	.02			.18	.70	.02			.12	.35	.10		T.		.78	4.77
Dam 15, Mon. R.[2]†	Monongahela	.07	.44	.30	.03		.25	.05	.05							.07	.98	.10			.16	.76	.02			.28	.06	.19	T.			.56	4.37
Dam 19, O. R.[2]†	Ohio	.11	.64	.55	T.		.08	.06	.05		.01		.06	T	T.	.52	1.09	.08			.50	.43	T			.27	.28	.20				.86	5.79
Dam 20, O. R.[2]†	do.	.10	.49	.38	T.		.14	.08	T.		T.		.04			.44	1.01	.10			.52	.55	T.			.34	.26	.18				.78	5.41
Elk†	West Fork	.40			.19	.20	.28									.75	.36				.73					.40	.43				.60		4.34
Elkins[1]†	Tygart	.61	.04	.01	T.	.18	T.	.21	T.	.02	T.			.01	T.	.31	.51	T.	.01	.10	.82	.12	T.		T.	.17	.81				.56		3.99
Fairmont[2]	Monongahela		.34	.03	T.	.02	.09	.07		T.						.95	.18			T.	.64	.15				.24	.25	T.			.44	.07	3.47
Glenville[2]	Litl.Kanawha	.32	.50	.11			.19	.26		.04						.81	.28			.08	.65	.12					.51	.04			.55		4.46
Grafton	Tygart	.48	.10	.11		.07	.18	.13		T.					T.	.71	.29			T.	.61	.15	T.	T.	T.	.39	.49	.03			.43	.07	4 24
Hackers Creek†	West Fork	.81		.21			*	*								.90	.85					*		.51	.48					.61		3.57
Hall[2]	Tygart	.25	.30	.03	.20	T	.33	.27	T.		T.			T.	T.	.11	.49	.47			.42	.28	.05			.21	.11	.29				.58	4.39
Harrison Co. Arpt.[4]	West Fork	.37	.14	.09	T.	.34	T.	.15	T.	T.	T.	T.	T.	T.	T	.76	.23			.08	.61	.04	T.		.09	.26	.32			.55		4.03
Hastings	Ohio	.36	.92	.22			.47	.20	.04	.01			.01		1.33	.22				.01	1.00	.23				.25	.64	.06			.25	.50	6.72
Horner	West Fork	.40	.50	.20											.90	.80				.40	.25	.07								.95		4.47
Ireland	do	.38	.12				.12	.20	.37					T.	T.	.15	.53			.54	.38	.34					.09				.71	3.93
Jane Lew	do	.60	.15	.11	T.	T.	.29	.19		.01					T.	.81	.34			.03	.67	.15	T.			.23	.45	.06			.43	.20	4.72
Kumbrabow St. For.†	Tygart	.80	.59	.10			.20	.30		.08				.04		1.05	1.17	.11		.09	1.40					.46	.37	.03			.47		7.26
Mannington	Monongahela	.43	.48	.15	T.	T.	.30	.17	.03	.01			.01			1.17	.27	T.		.03	.81	.29				.26	.31	.02			.42	.16	5.32
Middlebourne[2]	Middlels.Creek	.02	.82	.35	T.		.20	.11	T.		T.					.69	.67	.08				T	T.			.23	.40	.10				.61	4.28
Midvale[2]†	Tygart	.25	.40	.01	.12		.31	.15	.05		.04				.05	.04	.40	.56			.48	.72	.04			.12	.09	.30				.64	4.77
Morgantown	Monongahela	.36	.35	.03		.19		T.		T	T					1.01	.04			.02	.64	.17				.20	.21			.53		3.75
Mt. Clare	West Fork	.56	.20	.15		.13		.33								.83	.31			.05	.55	T.				.15	.85	.04			.55		4.70
New Cumberland	Ohio	.18	.65	.20	.01			.03	T.	T.					.07	.79	.01				.92	.12				.07	.37	T.		.05	.83	T	4.30
New Martinsville	do.	.55	.85	.17		.38	.10	.15		T.					T.	1.60	.07			T.	1.05	.05		T.	.25	.52				.73		6.47
Parkersburg[1]†	do.	.78	.63	.08	T.	.28	T.	.13		01		.04	T.		.24	1.03	.10			.11	.81	.03	T	.02	.24	.47				.71		5.74
Parsons	Cheat	.55	.10	.15	T.	T.	.21	.16	.01	.02	T.				.03	.30	.49	.02		.09	.87	.15	T.		T.	.29	.27	T.			.35	.32	4.38
Philippi[2]	Tygart	.27	.28	.03	.07		.37	.15	.02	T	.01				T	.20	.60	.37			.65	.55	.02			.29	.18	.20				.54	4.80
Pickens	do.	.65	.17	.05		.30	.07	.02		.25						.92	1.22			.10	1.10	.15	.04				.62			.84	.03	6.53
Roanoke	West Fork	.66	.11			T.	.29	.25		T.					T.	.48	.52			.04	.65	.10				.09	.36			.38	.18	4.11
Rockford†	do.	.60	.23	.09			.28	T.	T.		T.					.94	.39			.06	.61	.17		T.	.39	.41	.03			.38		4.58
Rowlesburg[2]	Cheat	.10	.66		.15		.30	.05	T.		T.				T.	.07	.70	.38			.30	.79	T.			.52	.10	.24				.65	5.01
Saint Marys[2]	Ohio		.14	.05				.30					.04			.63	1.01	.07			.60	.51	.01			.38	.43	.10			.79		5 06
Salem	West Fork	.46	.41	T.			.33	.17		T.						1.02	.24			T.	.69	.16					.84			.60		4.92
Sand Fork	Litl.Kanawha	.60	.08	.29	T.	.07	.22	.23	T	T.	T.				T.	.49	.44	T.		.05	.69	.12	T.			.10	.42	.03		.74	.02		4.49
Thomas[2]	Cheat	.27	.50	.03	.11	T.	.09	.09	.08		.03				.05	.04	.40	.57			.38	1.27	.10			.27	.05	.32				.62	5.27
Valley Chapel	West Fork	.65	.23	.15	T.		.34	.28		T.					T.	.85	.32	T.		.03	.70	.14			T.		.65	.04			.35	.28	4.96
Valley Head[2]	Tygart	.50	.70		T.		.22	.03	.08	T.	.05				.03	.16	.38	.61	.08		.50	.22	.02			.08	.07	.28				.68	4.69
Vandalia†	West Fork	.47		.38			.46									.50	.44			.05	.68						.62			.53		4.13
Wellsburg (near)	Ohio	T.	.88	.19			.07	T.	.02							.90	T.				.44	.21			T.	.40					.55	.25	3.91
West Milford	West Fork	.50	.25	.15			.30	.25								.81	.40			.05	.65	.05				.62	.45	.05			.40	.20	5.13
Weston[2]	do.	.20	.56	.10	.08		.35	.08	.12		.04					.05	.66	.38			.19	.59	.05			.16	.26	.30				.52	4.69
Wheeling (Dam 12)[2]	Ohio	T.	.48	.65	T.		.21	T.	.05	T.			.02		T.	.23	.71	T.			.27	.60	.01			.06	.26	.13		.01		.80	4.49
Southern Division																																	
Arbovale	Greenbrier	.25				T.	.08	.02					.10		.10	.70	.22		.05	.03	1.16	.05				.04	.10				.36		3.26
Athens	New	1.60	.37	.09		.15	.04	.04					.45	.03	.87	.66	.13	.08	.28	18	.58	.03	.02			.02	.13				.33	.02	6.10
Bluefield	do.	*	1.42	.09			.32	.18					.50		.05	1.92	.22	.16	.34	05	.76	.05				.05	.10				.38	.06	6.60
Bluestone Dam	do.	1.27	.91	.06	.02	T.	.21	T.	T.	T.	T.		.28	T.	.05	.60	.60	.10	.30		.84	.20	T.			T.		.22				.23	5.89
Camden-on-Gauley[2]	Gauley	.52	.36	.03			.31	.13		.02					.04	.20	.46	.26	.28		.56	.31	.04			.09	.16	.14				.79	4.70
Charleston	Gr. Kanawha	.48	.51	.03			.18	.18			T.		.01		.01	.34	.97	.14	.01		.60	.18	.10			.01	.27	.01				.68	4.66
Charleston (Airport)[4]	do.	.99	.15	.03	T.	.25		.12		T.		T.	.04	.03	.10	1.09	.61	.01		.26	95	.04	T.		T.	.02	.37				.80		5.86
Clay	Elk	.03	.18				.25	.03			.13						.03				.10	.13				.03			.08			.94	
Coalwood	Big Sandy	1.46	.06	.04		.23	.11	.09					.28	T.	.24	1.18	.40	.06	.38	.10	.77	.05	T.			.11	.41				.60		6.57
Cranberry Glades	Cranberry	.27		.80			.05	.03	T	.09					.12	1.42	.29		.03	15	1.43	.09				.20	.30				.70		5.97
Flat Top[4]	New	1.56		.12		.16	.08	.02					.29	.02	.26	1.31	.20	.09	.26	.08	1.07	T				.02	.23				.43		6.20
Gary[2]	Big Sandy	1.15	.84	.03			.42	.05	.04				.40		.02	.82	.86	.47	.38	.02	.67	.26			.07	.15	.10	.18				.51	7.44
Hamlin	Mud	.56	.47	.12			.20	.03								.25	.09	.10			.68	.37					.34				.70	3.91
Hinton[2]	New	.72	.77	.10	T.		.21	T.								.35	1.37	.10			.60	.56	.05			T	.27	.16				.91	5.38
Hogsett	Ohio	.05	.52	.22	T.		.13	.63	.06				22		.05	.67	.61	.12	.30		85	T				.25	.01	.18	T.			.23	5.29
Huntington	do.	.60	.21	.05	T.	.14	.03	.08		T.					.03	1.44	.18	.01		.10	.76	.19	T.		T.		.22				.90		4.94
Kayford[2]	Gr. Kanawha	.80	.20				.40									1.15	.24				.80	.22					.36				.10	4.27
Lewisburg	Greenbrier	1.36	.17	.16		.13	.08	.02		T.			.28		.08	1.08	.20	.01	.29	.07	1.20	T.					.33			.20	.07	5.73
Logan[2]	Guyandot	.69	.32	.04			.22	.05	T.	T			.14	T.	T.	.53	.77	.17	.23	T.	.90	.46	T	T.	T	.05	.36	.06				.71	5 64
London Locks[2]†	Gr. Kanawha	.55	.20	.03	.01		.28	.12	.04				.05		.02	.22	.55	.23	.13		.43	.53	.02			.05	.22	.17				.70	4.55
Madison[2]	Coal	.66	.34				.27	.11								.22	.65	.10	.14		.85	.27	T			T.	.41				.72	4.74
Oak Hill[2]	New	.89	.25				.30	.02	.05						.07	.34	.67	.23	.19		.65	.28	.03			.05	.05				.58	4.65
Pineville[2]	Guyandot	1.15					.38		T.						.18		.68	.31	.34	.32	.69	.17				.03		.18			.18	4.64
Point Pleasant[2]	Ohio	.04	.66	.11		.10	.05	.02	T.				T.		T.	.74	1.12	.10			.60	.38	.02			T.	.23	.17			T.	.84	5.18
Princeton[2]	New	1.40	.20			.22		.04	T.			.46		.04	.98	.65	.16	.03	.24	.54	.14	T.	T.				.08				.28	5.28
Rainelle	Greenbrier	.68	.26	.10		.20	.20	.12		.06			.06		.04	1.03	.29	.01	.20	.04	1.17	.20	.06			.03	.28				.60	.05	5.68

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Daily Precipitation for January 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood[2]	Ohio	.09	.45	.22	T.		.12	.05	.04				T.			.28	1.15	.13			.50	.36				.03	.25	.10			.33		4.10
Richwood[2]	Gauley	.37	.15				.35	.26								.28	.38	.26								.34	.42	.08			.64		3.53
Ripley	Ohio	.64	.24				*10*	.15								1.43	.20			.05	.71						.55			.69		4.76
Spencer[2]	Litl.Kanawha	*	.91	.02	.04		*	.41			T.			T.	.02	.32	.58	.04	.18		.60	*	*	.39		.03	.38	T.			.61		4 53
Summersville[2]	Gauley	.37	.55	.50			.40	.05							.12	10	.45	.30	.08	.08	.48	T.				.10					.70		4.28
Sutton	Elk	.35	.20	.17			.12	.17								.45	.76		.05	.06	.89	.08					.50			.48	.22	4 41
Union[2]	New	1.05	1.01		.10		.18						.25		.09	.81	.49	.12	.25		.83	.14	T.			T.		.20			.25	5.77
Wayne[2]	Twelvepole	.75	.30	.19			.15	.05					.01		.03	.28	1.30	.12			.81	.59					.24				1.00	5.92
Webster Springs	Elk	.60	T.	.14		.11	.12	.03		.02						.61	.55			.60	.24	.15		.05	T.	.09	.40	.03			.44		4 18
White Sulp'r Spgs.	Greenbrier	1.58	.18	.25		.06	.11	.02		T			.21		.12	1.05	.20	.03	.25	.06	1.04	T.	T.				.29			.11	.32	5 88
Williamson[2]	Big Sandy	.70	.43	.08			.22	.03					.16			.30	.70	.11	.33		.97	.23	T.			.05	*	.30			.65		5.26
Winfield Locks[2†]	Gr Kanawha	.35	.45	.18	.06		.17	.09	.04						T.	.37	.92	.15			.57	.44	.02			.01	.37	.08			.75		5.02

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for January 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	33	55	54	41	36	32	35	34	31	32	50	46	45	50	55	55	47	44	45	54	44	14	40	47	47	50	53	50	65	68	52	45.3
	Minimum	19	31	33	25	22	15	7	23	17	12	25	33	28	30	37	44	24	25	22	31	13	— 4	7	30	38	27	24	25	27	30	30	24.2
Bluefield	Maximum	44	61	58	48	40	43	42	42	40	44	52	52	47	58	60	61	52	33	42	53	47	23	46	52	49	49	58	62	67	66	58	50.0
	Minimum	23	25	48	29	27	19	28	30	27	19	30	36	39	37	49	52	30	34	34	37	21	6	22	40	43	39	32	40	57	50	32	33.3
Brandywine	Maximum	28	54	48	57	44	44	49	47	41	38	60	53	47	45	56	58	55	48	48	54	53	25	43	59	58	56	60	66	69	66	68	51.5
	Minimum	13	17	18	26	14	11	15	21	13	11	14	23	18	37	34	30	21	24	17	29	16	— 3	3	25	36	31	24	33	27	38	46	22 1
Buckhannon	Maximum	39	68	63	43	35	31	38	38	37	37	56	47	58	70	61	58	48	44	47	58	45	18	44	53	57	54	59	54	70	70	55	50.2
	Minimum	23	35	42	29	27	18	13	29	21	14	33	35	30	41	44	45	26	28	26	44	12	2	9	38	42	38	26	35	34	41	32	29.4
Cairo	Maximum	35	61	61	52	40	34	38	41	40	38	51	57	58	59	68	54	54	45	48	56	57	21	48	53	58	59	58	58	67	71	55	51.5
	Minimum	25	33	48	28	28	23	19	29	18	12	26	35	27	35	42	44	26	25	25	26	17	4	9	29	42	38	27	30	33	45	33	28.4
Charleston (Airport)	Maximum	39	71	64	38	36	36	41	48	40	46	59	50	57	71	58	55	40	44	50	59	37	26	54	59	64	55	65	57	71	72	46	51.9
	Minimum	26	36	38	30	28	13	27	28	22	16	23	32	30	39	46	34	30	29	29	37	15	8	18	48	41	31	31	32	33	45	24	29.7
Clarksburg[3]	Maximum	41	66	58	34	34	33	38	39	29	41	56	40	59	70	57	58	40	46	44	58	30	20	48	54	54	56	58	50	68	71	41	48.1
	Minimum	25	26	38	31	29	22	16	30	22	16	18	39	30	31	43	43	26	26	26	27	27	4	4	15	45	31	30	30	34	34	34	27.5
Cranberry Glades	Maximum	29	52	56	43	40	33	35	36	31	35	53	50	37	45	54	52	47	39	36	48	41	14	40	49	51	46	51	59	62	59	51	44.3
	Minimum	19	28	36	22	24	11	10	21	12	5	14	29	27	33	42	41	23	29	22	31	10	4	5	36	32	30	22	25	28	44	26	23.9
Elkins	Maximum	40	62	59	35	36	31	39	37	31	39	57	46	49	65	53	60	40	42	45	54	40	17	45	53	55	52	61	56	70	69	49	48.1
	Minimum	22	34	35	27	23	15	16	27	20	11	32	28	29	36	48	32	27	26	24	40	7	1	14	43	33	34	27	31	35	44	23	27.2
Fairmont[3]	Maximum	37	65	62	46	35	32	36	37	36	35	55	47	59	70	65	55	44	46	46	58	47	21	44	53	55	53	56	53	68	71	53	49.7
	Minimum	25	36	46	31	29	21	16	29	22	17	32	37	30	43	43	42	26	26	26	45	16	5	15	39	43	37	28	36	36	49	33	30.9
Flat Top	Maximum	30	52	55	36	40	30	38	38	33	35	54	48	41	49	56	56	44	37	34	52	39	18	44	50	51	49	55	60	65	61	48	45.1
	Minimum	19	30	36	23	21	15	20	24	19	14	30	32	33	34	45	44	24	29	30	32	12	— 1	14	35	37	34	31	30	41	48	27	27.3
Gary[3]	Maximum	40	49	63	35	40	38	43	46	35	48	61	56	53	68	60	58	41	45	50	60	34	28	52	59	60	56	64	68	73	70	60	52.0
	Minimum	27	34	36	33	28	23	23	30	32	16	17	19	33	37	37	48	34	34	34	41	26	10	25	41	41	30	29	30	34	40	30	29.7
Glenville	Maximum	52	69	67	55	39	37	41	43	42	37	60	54	59	72	66	60	52	46	44	59	56	38	47	55	64	59	65	59	68	73	55	54.6
	Minimum	29	38	51	32	31	23	20	32	22	16	26	36	27	36	49	46	28	30	27	42	21	10	12	34	41	40	30	33	34	45	34	31.5
Grafton	Maximum	39	68	66	45	36	32	38	37	35	35	54	47	57	69	62	57	46	42	50	53	49	18	44	53	55	54	57	50	68	71	55	49.7
	Minimum	25	35	45	30	30	12	10	18	21	10	31	34	28	45	44	43	24	25	24	33	14	3	10	33	33	38	30	31	34	48	33	28.2
Huntington	Maximum	37	59	62	43	35	39	41	50	43	46	60	53	58	70	60	56	45	44	46	56	46	29	57	55	66	59	66	58	69	70	54	52.6
	Minimum	26	36	42	32	31	21	26	32	27	22	34	37	31	42	45	43	31	32	30	45	27	9	20	49	49	48	29	35	32	52	32	33.8
Lewisburg	Maximum	33	46	53	40	36	34	40	44	38	38	57	54	49	51	55	56	57	40	39	55	48	21	47	56	56	55	53	62	68	67	52	48 4
	Minimum	28	31	30	27	23	12	16	26	22	14	16	30	31	35	43	47	28	30	28	34	19	3	15	33	39	41	22	26	32	46	30	27.6
Logan[3]	Maximum	45	69	60	35	37	37	44	47	35	47	59	54	58	69	60	56	41	44	54	58	34	29	55	57	61	54	60	61	73	71	50	52.1
	Minimum	26	32	41	33	34	21	22	33	33	20	20	21	38	44	45	52	34	34	34	41	29	12	12	26	45	45	36	34	34	36	36	32.5
Madison[3]	Maximum	43	69	64	50	37	34	44	46	35	43	58	52	58	68	63	59	40	43	53	57	30	27	51	58	61	54	61	59	71	71	48	51.9
	Minimum	25	31	37	32	20	16	17	30	30	16	18	23	28	31	47	48	32	33	30	34	27	10	11	24	44	44	32	31	32	37	35	29.2
Mannington	Maximum	36	67	69	46	34	33	36	37	38	34	59	47	59	69	65	57	49	46	44	56	49	21	45	52	55	54	54	52	68	71	54	50 2
	Minimum	24	34	46	27	27	20	9	27	18	9	28	35	24	35	40	41	21	20	21	41	16	3	9	28	42	30	25	29	34	40	33	27.0
Martinsburg	Maximum	27	32	48	41	38	33	44	49	36	36	62	47	32	37	39	55	44	49	41	55	46	21	44	61	60	46	58	60	60	70	55	46.0
	Minimum	21	26	32	28	23	17	19	33	26	24	32	29	27	30	35	38	32	32	26	38	11	8	10	33	32	33	29	33	32	35	33	27.6
Middlebourne	Maximum	39	65	56	32	34	32	37	38	31	42	56	41	58	68	54	53	39	46	50	56	30	32	49	54	55	50	55	51	68	70	40	47.8
	Minimum	26	34	48	30	28	21	14	28	19	11	30	36	26	38	49	43	24	23	25	42	24	5	13	32	43	37	27	33	38	50	34	30.0
Morgantown	Maximum	34	60	58	34	31	23	31	31	28	30	49	47	50	59	60	47	41	39	42	30	11	39	48	48	49	49	54	52	62	55	47	43.2
	Minimum	30	45	31	27	23	13	23	27	18	17	30	28	28	52	42	40	25	27	27	11	9	19	37	40	35	41	31	41	43	47	31	30.2
New Martinsville	Maximum	34	50	56	43	34	30	34	38	36	37	55	50	60	65	64	54	40	46	45	55	46	23	46	55	54	53	55	50	68	70	53	48.4
	Minimum	25	33	40	28	28	21	18	28	21	16	33	36	29	37	41	38	19	23	25	42	18	5	10	34	44	37	28	33	38	52	33	29.3
Parkersburg	Maximum	36	59	58	35	35	31	38	42	33	41	58	41	56	66	58	53	40	47	47	57	36	22	49	54	57	53	59	55	66	71	48	48.3
	Minimum	25	36	35	28	25	23	25	30	25	21	39	33	32	44	43	33	29	27	30	36	9	7	15	48	46	36	31	42	42	43	29	31.2
Petersburg	Maximum	28	39	55	42	38	36	52	47	36	40	66	53	36	40	43	62	44	50	43	57	46	23	50	62	61	55	66	64	72	73	54	49.4
	Minimum	23	27	31	26	21	21	23	33	25	20	35	30	30	31	36	37	30	28	26	36	12	8	17	45	32	32	25	33	28	46	30	28.3
Point Pleasant	Maximum	35	56	58	42	35	35	39	45	41	42	55	52	56	69	63	54	45	45	45	55	49	24	50	53	61	59	61	61	67	70	55	50.9
	Minimum	26	34	49	29	30	21	27	29	25	20	35	38	30	39	45	43	29	29	28	42	20	6	17	45	47	47	30	41	37	50	34	33.0
Rainelle	Maximum	32	55	58	41	38	34	39	41	37	41	55	52	40	48	54	54	47	33	38	52	45	21	47	50	56	50	57	62	68	64	51	47.3
	Minimum	22	31	33	25	23	15	15	25	21	10	14	29	27	31	44	45	26	31	27	35	15	1	10	32	38	35	29	25	29	42	25	26.1
Spencer[3]	Maximum	41	68	58	33	35	32	39	44	44	41	57	56	55	69	57	57	40	45	52	55	25	22	50	55	61	56	60	58	68	70	41	49.6
	Minimum	23	37	53	29	28	19	20	29	19	13	33	34	31	43	50	43	26	28	25	40	23	3	11	44	45	42	26	30	32	50	30	30.9
Summersville[3]	Maximum	41	62	52	48	46	40	38	40	40	41	37	51	57	65	63	54	37	48	48	54	22	14	48	55	57	47	60	63	71	67	46	48.8
	Minimum	23	28	36	20	22	16	13	26	21	8	11	18	25	43	36	42	26	21	24	41	21	1	4	13	38	35	28	25	25	47	30	24.7
Sutton	Maximum	35	68	68	61	47	36	46	47	47	44	61	61	56	66	66	62	57	49	46	58	58	44	52	57	60	60	60	60	72	72	68	56.3
	Minimum	25	34	47	32	28	22	20	32	22	14	21	31	30	36	48	49	30	32	27	44	22	6	10	33	45	40	30	30	32	41	35	30.6
Wardensville[3]	Maximum	28	37	53	35	37	35	51	41	34	39	65	42	35	39	41	58	45	50	44	55	36	20	50	61	60	55	60	61	72	71	53	47.2
	Minimum	23	22	26	31	20	21	16	25	23	18	21	30	24	29	31	38	28	29	24	32	29	6	5	14	34	29	24	30	26	30	35	25.0
Weston	Maximum	38	66	62	61	36	32	38	40	38	40	58	55	60	71	65	59	58	48	49	58	52	29	50	58	60	56	58	54	69	70	66	53.4
	Minimum	25	36	60	32	29	21	29	31	23	18	36	38	31	41	56	57	32	31	28	44	28	4	12	48	46	48	30	39	36	64	38	35.2
Wheeling[3]	Maximum	35	55	55	30	33	35	37	37	32	40	53	41	59	65	45	50	39	46	45	55	30	21	43	53	55	58	52	47	65	69	35	45.6
	Minimum	22	27	33	25	26	22	22	29	22	19	29	36	29	35	36	39	26	26	26	27	26	5	6	18	40	35	29	32	37	40	35	27.4
White Sulphur Spgs.	Maximum	52	52	59	50	39	37	41	44	40	43	60	57	48	49	55	58	52	42	44	58	52	28	50	56	58	54	60	69	70	70	59	51.8
	Minimum	24	32	33	28	21	19	12	29	25	19	13	32	28	36	36	37	30	32	29	36	22	4	12	39	43	32	29	26	29	41	34	28 2
Williamson[3]	Maximum	41	67	63	34	36	38	45	57	35	50	61	55	59	69	62	57	42	44	55	59	36	31	57	61	62	57	66	64	75	71	50	53.6
	Minimum	26	33	39	32	31	21	22	30	30	19	19	21	31	32	48	50	34	35	34	37	29	13	13	24	44	45	34	33	33	35	34	31.0

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—4 10-47—925)

WE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

MAY 15 1947

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LV FEBRUARY 1947 No. 2

GENERAL SUMMARY

The month was characterized by extremes of temperature, precipitation, and snowfall.

It was the third coldest February of record. The average temperature of 25.5° exceeded only the 22.8° in 1895 and the 24.0° in 1934. With the exception of the period 13th-18th, which was about normal, all the remainder of the days in the month were below normal in temperature. Mean temperatures averaged 10° or more below normal at stations in Monongalia, Harrison, and the northern part of Lewis counties, and also in the entire southern division except for the extreme southeast and southwest portions. Zero or lower temperatures were common on the 5th, 6th, 8th, 9th, and 28th.

The average monthly snowfall was 21.9 inches which was the greatest February amount of record. Only twice before was this amount exceeded in any month. Those months were January 1905, and December 1944. However, the average State precipitation was only 1.64 inches, the fifth lowest amount for any February of record; practically all of it fell as snow. Snowfall on the 20th was extremely heavy in all the counties of the State except those contiguous to the Ohio River, where the average fall was about 5 inches. A foot or more of new snow fell in the mountain districts on the 20th and then these depths were increased by numerous lighter falls during the succeeding days of the month. The wind caused much drifting. On the higher elevations, fields were denuded of all snow cover, the snow being blown into huge drifts. The station at Canaan Valley reported drifts of from 15 feet to 50 feet in depth. Highway transportation was crippled from the 20th to the end of the month. Schools were closed because of inability of school buses to get over the roads. Bus runs to Bluefield and on the Logan-Williamson line were temporarily discontinued. Passenger car, bus and truck traffic on the main highways was much hindered in the mountain areas. Secondary roads in most sections of the State remained impassable or nearly so for the remainder of the month as two- to four-inch snows fell daily in several places. The Ohio River was rising at the first of the month but began falling on the 3d and was back in pool on the evening of the 7th. Thin shore and floating ice were prevalent after the 7th until the close of the month.

In general, farm work remained on a winter routine all month. Snow cover was adequate to protect wheat. Cold, cloudy weather during the last decade lessened the amount of growth that cabbage plants and early flowers made in the greenhouses and hotbeds. Trees, bushes, and grasses remained dormant throughout the month.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 7 stations, was 25.5°, or 7.8° below the normal. The mean for the northeastern panhandle division was 27.6°; for the northern division, 24.0°; and for the southern division, 26.2°. The highest monthly mean was 0.0° at Kearneysville; and the lowest, 18.8° at Canaan Valley. The highest temperature was 67° at McNeill on the 14th; and the lowest, −9° at Canaan Valley on the 5th, and Richwood on the 28th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 103 stations, was 1.64 inches, or 1.46 inches below the normal. In the northeastern panhandle division, the average was 1.29 inches; in the northern division, 1.70 inches; and in the southern division, 1.75 inches. The greatest monthly precipitation was 6.36 inches at Pickens No. 2, and the least, 0.44 inch at Dam 19, O. R. The greatest amount in any 24 consecutive hours was 1.70 inches at Summersville on the 20th. The average monthly snowfall was 21.9 inches, or 13.4 inches above the normal. The greatest monthly snowfall was 97.0 inches at Pickens No. 2. The average number of days with 0.01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1													2	2	1	2	1													
Gales	2	7	2	15	13	8	10	12	18	10	3					2	1	1	1	2	2	10	5	7	4	6	7	1			
Glaze																															
Hail																															
Sleet				2												3			1												
Thunderstorms																															

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind			Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.	
Cincinnati, Ohio	30.57	2	29.41	6	9.3	26	nw.	4	81	66	60	36	1030
Columbus, Ohio	30.54	12	29.40	6	12.7	34	sw.	8†	84	67	74	49	1144
Elkins	30.56	12	29.44	7	9.1	30	nw.	2	88	69	75	31	1221
Huntington Airp't.	30.53	2	29.46	6	.....	25	ssw.	4	76	59	69	....	1052
Parkersburg	30.54	12	29.42	6	8.2	24	nw.	1	79	60	66	27	1081
Petersburg, W. Va.	30.50	12	29.40	7	.....	33	nw.	23	70	46	56	....	1041
Pittsburgh, Pa	30.54	12	29.40	6	13.4	31	sw.	9	79	67	69	47	1204

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	38.1	.....	..	2.09	5.23	5.79	5.39	.....	.....	.....	.....	.....
1892	37.1	72	−12	1.82	2.62	2.61	2.30	.....	9	.....	.....	.....
1893	35.0	71	−6	3.68	5.11	4.68	4.81	.....	12	.....	.....	.....
1894	33.4	74	−5	3.25	3.89	4.09	3.99	.....	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	.....	7	10	9	**9**
1896	33.4	62	−5	3.39	3.31	3.30	3.31	.....	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	.....	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	....	9	10	8	10
1899	26.1	69	**−35**	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	0.31	0.97	0.95	**0.86**	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	6	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	9	8	11
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	0.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	−5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	−3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	0.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	0.59	1.04	1.02	0.96	9.3	8	8	8	12
1942	29.3	66	−14	1.50	2.51	2.14	2.22	6.9	10	8	6	14
1943	34.6	76	−13	1.09	2.14	1.90	1.89	5.7	11	8	9	11
1944	37.3	79	−13	2.67	3.72	4.23	3.77	3.8	12	8	8	13
1945	35.5	80	−13	2.71	4.66	4.65	4.36	6.0	12	7	8	13
1946	35.9	75	−4	2.28	3.67	2.93	3.23	7.7	11	10	7	11
1947	25.5	67	−9	1.29	1.70	1.75	1.64	21.9	11	6	7	15
Period	33.3	86	−35	2.36	3.23	3.19	3.10	8.5	10	8	7	13

Climatological Data for February 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	20.8	−8.8	52	14	− 6	5	2.85	−0.65	0.51	20	55.8	20	6	6	16	w.	Howard R. Fulk
Berkley Springs	Morgan	640	3	29.0	....	61	14	2	5	1.26	....	.....	....	13.0	3	10	16	2	w.	Hammond B. Shriver
Brandywine	Pendleton	1,586	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clifford I. Dickenson
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	1.13	−1.13	0.90	21	12.0	3	....	....	.	.....	Miss Eleanor J. Whit
Inwood	Berkeley	569	14	29.8	.....	60	14	3	5	0.83	.....	0.78	21	10.0	3	11	12	5	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	30.0	−3.9	58	14†	3	5	1.36	−1.00	1.25	21	20.0	3	8	15	5	w.	University Exper. Station
Martinsburg	Berkeley	545	55	27.8	−3.6	59	14	4	5	0.94	−1.46	0.81	21	10.0	4	13	11	4	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Berkeley	800	13	27.8	−4.5	67	14	0	5	1.05	−1.08	.....	.....	12.0	2	5	13	10	w.	R. E. Saville
Petersburg	Hardy	1,029	8	27.8	....	65	14	3	5	0.78	.....	0.74	20	12.2	5	3	7	18	nw.	U. S. Weather Bureau
Piedmont	Grant	1,053	33	26.4	−7.4	60	14	1	5	1.17	−1.07	1.05	21	16.3	7	10	7	11	nw.	C. A. Suter, Jr.
Romney	Mineral	824	46	29.2	−5.0	65	14	4	5	0.88	−1.02	0.88	21	12.0	2	1	15	12	.....	Marion W. Haines
Stony River Dam	Hampshire	3,300	15	.. ..	.....	.....	.....	.....	.....	2.63	−0.22	1.00	21	37.0	15	2	5	21	.....	Fred Becker
Wardensville, 2½ mi. NE	Grant	1,200	29	26.8	−7.0	64	14	2	5	1.39	−0.32	1.39	21	13.5	1	.....	.....	.....	.....	Reymann Memorial Farm
Means and Extremes	Hardy	.....	....	**27.6**	.....	**67**	**14**	**− 6**	**5**	**1.29**	.....	**1.39**	**21**	**18.2**	**6**	**7**	**11**	**10**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	1.60	−1.50	0.54	20	13.8	14	4	13	11	w.	L. Esle Bond
Benson	Harrison	1,080	22	25.2	−12.8	57	14	− 5	28	1.93	−1.78	0.50	20	31.5	15	7	8	13	.....	R. D. Marts
Bens Run	Pleasants	652	46	25.8	−7.0	56	14	0	8	1.39	−1.72	0.34	20	17.8	11	15	6	7	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	20.4	.....	52	14	− 5	5	3.06	.....	1.10	21	44.0	13	.....	.....	.....	.....	James I. Galloway
Brownsville ‡	Lewis	1,032	23	25.8	−11.8	58	14	− 4	28	1.74	−1.33	0.48	20	28.0	14	5	11	12	n.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	23.3	−9.8	56	14	− 3	28	1.19	−2.57	0.22	20	30.3	16	3	8	17	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	25.9	−8.3	62	15	1	28	1.47	−1.50	0.51	20	17.0	12	9	13	6	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	18.8	.....	50	14	− 9	5	2.73	.....	0.80	7	40.0	8	3	15	10	w.	George B. Thompson
Clarksburg	Harrison	1,015	24	23.4	−11.2	56	3	− 1	28	1.54	−1.50	0.60	21	23.5	10	4	5	19	w.	Clarksburg Water Board
Creston	Wirt	640	46	26.4	−8.3	60	3‡	2	8	0.88	−2.31	0.46	21	14.5	10	0	12	16	.....	Beatrice M. Ludsome
Dam 10 Mon. R	Monongalia	826	25	24.6	.....	57	3†	0	5	1.18	−1.69	0.54	21	15.0	13	8	3	17	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	1.24	−1.19	0.50	21	12.1	18	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	.....	.....	.....	.....	.....	1.74	−1.25	1.07	21	19.0	12	...	....	.	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	0.44	−2.13	0.26	21	.....	6	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	0.62	−2.14	0.20	7	.....	8	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	21.4	−9.6	57	14	− 3	5	1.93	−1.15	0.54	21	26.8	17	3	4	21	w.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	25.2	−7.9	57	14	1	5†	1.34	−1.68	0.53	21	18.3	11	7	7	14	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	29.8	−4.8	62	14	2	28	2.76	−0.81	0.69	20	14.2	10	4	11	13	w.	Howard R. Brannon
Grafton	Taylor	1,100	53	23.4	−9.2	55	14	− 6	28	1.13	−1.78	0.37	20	17.7	15	7	4	17	sw.	William D. Myers
Harrison County Airport	Harrison	1,188	7	23.2	.....	55	14	− 1	5	1.43	.....	0.28	20	25.5	18	2	3	23	sw.	U. S. Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	...	.....	.....	1.57	−1.69	0.33	4	15.9	16	6	12	10	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	1.50	−1.27	0.58	20	20.3	13	.....	.....	.....	.....	Reta Goldsmith
Mannington, 1½ mi. NW	Marion	974	45	24.3	−8.5	56	14†	− 7	28	1.77	−1.13	0.47	20	16.0	18	6	9	13	w.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	6	24.9	.....	58	14	− 4	28	0.76	.....	0.44	21	.....	4	8	2	18	w.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,250	71	20.9	−11.9	49	3†	− 2	5†	2.16	−0.40	0.48	20	21.2	16	0	6	22	s.	State Dairy Farm
New Cumberland	Hancock	671	52	25.1	−4.0	52	14	0	5†	0.92	−1.52	0.46	21	.....	14	5	5	18	nw.	C. O. Valentine
New Martinsville	Wetzel	637	53	25.6	−7.9	55	3	0	5†	1.24	−1.60	0.35	20	12.2	11	7	9	12	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	26.4	−7.8	58	14	2	8	1.04	−2.09	0.40	20	13.3	12	2	5	21	sw.	Section Center
Parsons	Tucker	1,649	48	22.0	−9.7	51	3	− 2	5	2.17	−1.35	0.73	20	43.3	18	5	6	17	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	2.12	−1.06	0.67	21	30.3	16	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	57	... ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	1.20	−2.18	0.60	20	19.5	11	3	5	20	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	22.8	.....	58	14	− 1	5	1.97	−1.68	0.60	21	29.5	12	.....	.....	.....	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	36	.....	....	...	...	.....	.....	1.06	−1.87	0.44	20	13.2	7	....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	2.87	−0.69	0.81	21	47.0	17	.....	.....	.....	....	W. Sleeman
Valley Chapel	Lewis	1,011	23	27.0	−11.5	59	14†	− 2	28	2.28	−0.79	0.65	20	22.6	18	7	6	15	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	23.3	−6.7	55	14	− 1	5†	0.47	−1.72	0.24	20	6.5	4	9	7	12	.....	George P. Pfister
West Milford ‡	Harrison	979	21	.. ..	.....	.....	.....	.....	.....	1.91	−1.42	0.70	20	17.2	14	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	56	27.4	−6.5	59	14	0	5†	2.48	−1.12	0.68	21	21.6	19	0	11	17	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	24.2	−7.9	55	14	1	5†	0.81	−1.48	0.41	21	12.4	15	4	8	16	sw.	Lockmaster
Means and Extremes	.....	.....	....	**24.0**	.....	**62**	**14†**	**− 9**	**5**	**1.70**	....	**1.20**	**21**	**24.2**	**11**	**5**	**7**	**16**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	5	13	10	w.	H. S. Sutton	
Athens	Mercer	2,600	7	25.4	.....	56	14	− 2	5	2.65	....	1.17	20	31.0	14	9	7	12	nw.	Concord College
Bluefield	Mercer	2,558	52	26.5	−8.3	56	14	− 1	5†	3.84	+0.86	1.55	20	49.2	15	12	3	13	....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	27.4	....	65	14	4	6	1.83	.....	0.97	21	19.6	7	3	6	19	n.	Willard F. Russell
Charleston	Kanawha	615	60	27.8	−11.4	61	14	4	8	1.14	−2.17	0.48	21	10.5	10	8	6	14	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	27.4	.....	63	14	4	5†	1.19	.....	0.56	20	13.2	8	5	10	13	w.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	22.9	.....	54	14	2	5†	1.56	.....	0.42	20	50.5	9	2	7	19	nw.	Department of Justice
Flat Top	Mercer	3,270	9	21.0	.....	54	14	− 6	8	2.52	....	1.03	20	29.8	14	5	7	16	nw.	U. S. Airway Station
Gary	McDowell	1,426	30	26.4	−11.5	63	14	3	6	2.17	−0.97	0.80	20	23.5	10	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	27.6	.. ...	62	14	3	5	1.03	.....	0.40	21	10.0	5	11	5	12	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	27.8	−7.7	65	14	4	5	1.80	−1.09	0.96	21	20.6	9	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	29.7	−5.0	61	14	3	8	1.06	−2.02	0.45	20	11.0	9	1	13	14	w.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	.....	.....	.....	.....	.....	2.52	−0.92	0.55	2	.....	12	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	25.3	−8.0	56	14	− 1	5	1.77	−1.02	1.20	20	22.8	10	10	2	16	.....	Prof. H. B. Graybill
Logan	Logan	700	34	28.6	−10.9	63	3	5	8†	1.24	−2.26	0.40	21	11.2	9	7	3	18	.....	J. W. Ruff
London Locks	Kanawha	623	12	27.4	.....	62	3‡	3	9	1.40	−1.79	0.57	21	12.2	11	.....	.....	.....	nw.	Lockmaster
Madison	Boone	675	26	27.0	−9.6	60	3	4	5	1.41	−1.82	0.42	21	11.3	8	3	9	16	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	23.8	.....	56	14	− 1	5†	1.87	.....	0.61	21	29.8	16	8	0	20	.....	M. H. Martin
Pineville	Wyoming	1,350	5	26.8	.....	63	3	2	5†	2.01	....	0.60	21	19.5	11	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	28.4	−5.0	57	14†	3	8	0.60	−2.55	0.15	21	10.2	9	5	12	11	w.	E. C. Winger
Rainelle	Greenbrier	2,424	16	21.9	−11.6	58	14	− 4	6	3.27	−0.94	1.04	20	37.5	20	8	7	13	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	28.6	−10.2	65	1	0	8	0.57	−2.40	0.26	21	7.2	10	12	4	12	nw.	Lockmaster
Richwood	Nicholas	2,193	16	20.2	−14.3	53	15	− 9	28	3.01	−1.11	0.94	21	35.0	12	8	6	14	.....	Richwood Water Co.
Ripley	Jackson	610	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richard Church
Spencer	Roane	789	48	24.6	−10.6	58	3†	− 1	8	2.13	−1.02	0.60	7	21.5	13	1	6	21	.....	A. M. McKown
Summersville	Nicholas	1,900	11	21.2	....	57	13†	− 8	27	3.98	.....	1.70	20	52.5	12	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	44	27.8	−5.3	60	14†	3	5†	1.67	−1.77	0.85	20	23.0	12	8	11	9	.....	C. B. Eakle
Union	Monroe	2,200	43	23.8	−11.4	58	14	− 2	5	1.60	−1.25	0.61	20	20.9	5	7	2	19	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	26.0	.....	60	14	− 1	5	1.71	.....	0.60	20	17.2	11	6	4	18	nw.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	26.8	−8.7	60	15	− 1	5	2.01	−0.62	1.30	20	24.5	9	3	8	17	w.	Greenbrier Hotel
Williamson	Mingo	673	46	29.0	−8.4	65	14	5	8†	1.29	−2.06	0.39	21	11.5	8	11	4	13	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	26.6	.	60	14	4	6†	0.96	.....	0.47	20	8.6	10	9	1	18	w.	Lockmaster
Means and Extremes	.....	.....	...	**26.2**	.....	**65**	**1†**	**− 9**	**28**	**1.75**	.....	**1.70**	**20**	**21.3**	**11**	**7**	**6**	**15**	w.	
State Averages and Extremes	.....	.....	...	**25.5**	**−7.8**	**67**	**14**	**− 9**	**5†**	**1.64**	**−1.46**	**1.70**	**20**	**21.9**	**11**	**6**	**7**	**15**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for February 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.19		.12	.04	.12	.25	.10	.07	.07					.04	.08	.06		.02	.54	.17	.20	.03	.05	.18	.22	.30	T.				2.85
Berkeley Springs	do.				.02		T.														*	1.24					T.					1.26
Brandywine	do.																																
Brushy Run[2]	do.		T.			T.		T																									
Harpers Ferry [2]	do.					.13			.10												.03	.81				T.	T.	.04					0.88
Inwood	do.				.05																T.	.90											1.13
Kearneysville	do.				.11			T.													.58	.20											0.83
Knobly Mountain[2]†	do.		T.	T.	T.		T.	.06	T.	T.											.58	.67											1.36
Martinsburg [4]	do		T.		.12		T.	T.	.01												T.	1.20					.06						1.32
McNeill†	do.		T.		T.																.61	.20					T.	T.					0.94
Petersburg	do.	T.	T.		T.	T.	.01			T.	T.						T.				*	1.05											1.05
Piedmont	do.		.01		T.	T.		.05	T.	T.	T.										.74	.01	T.	T.	T.	T.	.01	.01					0.78
Romney	do.						T.													T.	.96	.09	.01			.01	T.	.04					1.17
Springfield	do.																				.59	.29					T.						0.88
Spruce Knob [2]†	do.		.09	T.	.06	.08		.13	T.		T											1.15	.07										1.22
Stony River Dam [2]†	do.		.25		.05	.05	.13	.25	.04	.03							T.	T.			.10	.37	.11	.06	.03	.10	.09	.07					1.29
Wardensville [2]	do.		T.			T.		T.													.04	1.00	.12	.04	.12	.20	.11	.20					2.63
Northern Division																					T.	1.39				T.	T.	T.					1.39
Aberdeen†	West Fork		.02		.16	.02	.05	.23	.08	.03	T.					T.	.07	T		T.	.54	.13	.04	T.	T.	.10	.06	.07					1.60
Belington [2]	Tygart		.03	.06		.18	.01	.22	.18	.02	.01						.08	.06		.01	T.	.67	.02	.02	.02	.10	.06	.33	T.				2.08
Benson†	West Fork		.05		.16	.03	.05	.26	.05	.16	.03						.15			.02	.50	.15				.07	.05	.20					1.93
Bens Run	Ohio		.05		.24		.12	.15	.02							T.	.02			.04	.34	.04			T.	.15	.12	.14					1 39
Brandonville [2]	Cheat		.25		.05	.23		.30	.10	T.	T.	T.				T.	T.			.04	.04	1.10	.04			.20	.28	.28	.15				3.06
Brownsville†	West Fork	.10	.06		.27		.04	.18	.04							.02	.07				.48	.12	.03			.13	.09	.11					1.74
Buckhannon	Tygart		.09		.17	.01	.07	.11	.09	.01	T.					.02	.06	T.		.01	.22	.07	.02	T.	T.	.07	.07	.10					1.19
Cairo	Litl.Kanawha	T.	.06		.24	.03	.09	.22	.05							.02	.09				.51	.06				.07	.03	T.					1.47
Canaan Valley	Cheat		.05			.10		.80	T.							T.	T.				.31	.52	T.	T.	T.	.12	.60	.23					2.73
Clarksburg	West Fork		.09		.15	.04	.18	T.		.10								.05			T.	.60	T.		T.	.10	.03	.20					1.54
Crawford	do.		.02		.21		.05	.15	.07	T.	T.					.03	.05	T.		T.	.51	.09	T.	T.	T.	.16	.10	.18					1.62
Creston [2]	Litl.Kanawha		T.	T.	T.	T.	T.	.20	T.	T.	T.	T.				T.	.03	.04		.02	T.	.46	.05		.02	.02	.02	.02	T.				0.88
Dailey [2]†	Tygart		T.	T.	T.	.06	T.	.22	.08	T.	T.	T.					.03	.01	T.	T.	.02	.66	.04	.03	.01	.04	.06	.05	T.				1.31
Dam 10, Mon. R. [2]†	Monongahela.	T.	.04	T.	T.	.09		.23	.04		.02	T.					.04			.03		.54	.03	.01		.02	.01	.08					1.18
Dam 13, O. R. [2]†	Ohio		.02	.03	.02	.17	.05	.23	.09	.01	.01	T.					.01	.02				.50	.01	.01	.01	.01	.02	.02	T.				1.24
Dam 15, Mon. R. [2]†	Monongahela		.04	T.		.05		.25	.03	.01	T.	T.					.05			.03		1.07	.03	T.	T.	.04	.02	.12	T.				1.74
Dam 19, O. R. [2]†	Ohio		T.		T.	T.		.08	.01								T.	.07		.01		.26	T.			.01		T.					0.44
Dam 20, O. R. [2]†	do.		T.		.06	.06		.20	.03	T.		T.					T	.07		02	T.	.16	T.		T	.02	T.						0.62
Elk†	West Fork		*		*	*		.24								T.	T.				.60	.12				*	*	.12					1.08
Elkins [1]†	Tygart	.01	.02		.16	T.	.10	.08	.01	T.	.01					.05	.03	T.	T.	T.	.53	.08	.05	.01	.01	.10	.31	.37					1.93
Fairmont	Monongahela.	T.	.03		.08	.02	.09	.27		T.						T.	T.			.02	.44	.09	T.	T.		.06	.05	.19					1.34
Glenville [2]	Litl.Kanawha		.05		.13		.37	.43	T.		T.					T.	.09			.24	.69	T.	T.	T.	.08	.36	.32					2.76
Grafton	Tygart		.01		.06	T.	.04	.24	.03	.04						.03	.06	.02		T.	.37	.06	.04			.03	.03	.07					1.13
Hackers Creek †	West Fork																																
Hall [2]	Tygart		.03	.02	T.	.16	T.	.27	.13	.05	.03	T.					.04	T.		.03	T.	.52	.03	.02	.02	.06	.06	.27	.02				1.76
Harrison Co. Arpt. [4]	West Fork	.01	.05		.13	.01	.25	.14	.06	.03	T.					.03	.04		T.	T.	.28	.10	.01	.01	.04	.03	.16	.05					1.43
Hastings	Ohio		.08		.33	.02	.08	.25	.05	.01	.07					.02	.12				.20	.10			.02	.06	.06	.10					1.57
Horner	West Fork				.15			.08			.10	.12				.16	.03				.05	.10	.03	.04	.05	.03	.02	.04	.05				1.05
Ireland	do.			.12	.12	.06	.05									.04	T.				.75	.08	.06	.04	.12	.14	.11	.14					1.83
Jane Lew	do.		.03		.25	.01	.04	.15	.03	T.	T.					T.	.06			T	.58	.09	T.	T.	.01	.07	.07	.11					1.50
Kumbrabow St. For.†	[2]Tygart		.09		.21	.07	.13	.31	.20	.07	.04					.06	.05			.07	.80	.15	.18	.08	.13	.24	.43	.32					3.63
Mannington	Monongahela.	.09			.24	.02	.08	.16	.05	.02	.03					.04	.08			.02	.47	.14	.01	.01	T.	.07	.06	.18					1.77
Middlebourne [2]	Middle Is.Creek		T.	T.	T.	.09		.19	T.	T.	T.						T.			T.		.44	T.		T.		T.	.04					0.76
Midvale [2]†	Tygart		.02	.01	.01	.19	.04	.29	.17	.07	.04	T.					.16	.04		T.	T.	.58	.06	.02	.01	.13	.14	.20	.03				2.21
Morgantown	Monongahela.		T.	T.	.33	.02	.04	.36	.06	.08	.04					.05	.03	T.		.02	.48	.14	.01		T.	.03	.03	.04					2.16
Mt. Clare	West Fork		.06		.09		.08	.15	.06	.02	.01					.06					.55	.06	.02	T	T.	.04	.03	.14	T.				1.37
New Cumberland	Ohio	T.	.02	.01	.03	.02	.10	.07	.01	T.	T.					.02	.02				.03	.46	.01	T.		.10	T.	.02					0.92
New Martinsville	do.		.05		.19		.14	.16			.04					T.	.09				.35		.03			.07	.05	.07					1.24
Parkersburg [1]†	do.	T.	.02		.06	T.	.21	.15	T.	T.	T.					T.	.08	T.	.01	T.	.40	.02	T.	.01	.04	T.	.01	.03					1.04
Parsons	Cheat		.09		.14	.03	.06	.17	.12	.01	.02					T.	.13	T.		.01	.73	.09	.10	.03	.01	.10	.13	.20					2.17
Philippi [2]	Tygart		.05	T.	T.	.24	T.	.30	.10	.04	.01	T.					.08	.05	T.	.03	T.	.67	.06	.05	.02	.08	.08	26	T.				2.12
Pickens	do.																																
Roanoke	West Fork	.01			.12		.04	.06	.05	T.						T.	.08			T.	.60	.09	T.	T.	T.	.08	.05	.02					1.20
Rockford †	do.		T.		.19	.07	.06	.11	T.		T.					T.	T.				.59	.06	T.	T		.02	T.	.30					1.49
Rowlesburg [2]	Cheat		.10	T.	T.	.20		.15	.08	T.							T.	.17		.05	T.	.60	.20	T.	.10	T.	.10	.17	.05				1.97
Saint Marys [2]	Ohio				.12	.08		.22	T.	T.	T.						.04				.44	T.	T.			.05	T.	.11					1.06
Salem	West Fork		.06		.22		.10	.22	.01	T.						T.	.09		T.		.55	.05	T.	T.	T.	.07	.04	.11					1.52
Sand Fork	Litl.Kanawha		.04		.17	.05	.08	.25	.21	.01	T.					.01	.11	T.		T.	.64	.08	.02	T.	T.	.13	.08	.08					1.96
Thomas [2]	Cheat		.07	.06	.05	.16	T.	.22	.13	.10	T.						.15	T.		.05	T.	.81	.28	.15	.08	.10	.14	.24	.08				2.87
Valley Chapel	West Fork		.02		.27	.01	.10	.29	.07	.04	.03						.08	T.		.03	.65	.25	.10	.03	.02	.11	.08	.10					2.28
Valley Head [2]	Tygart		T.	.04	T.	.04	T.	.30	.06	.03	T.	T.					T.	T.	T	T.	.11	.61	.10	.07	.06	.25	.12	.14	.16				2.09
Vandalia †	West Fork																																
Wellsburg (near)	Ohio		T.		.03	T.		.04													.24	.16	T	T.		T.	T.					0.47
West Milford	West Fork		.04		.20	.05	.04	.21	.04	.05							.08			.02	.70		.05			.14	.10	.19					1.91
Weston [2]	do.		T.	.05	T.	.43	.04	.36	.09	.08	.06	.02					.06	.08	T.	.05	T.	.68	.05	.02	.04	.08	.10	.15	.04				2.48
Wheeling (Dam 12) [2].	Ohio		02	.01	.02	.06	.07	.07	.06	T.	.01	T.					.01	.01				.41	T.	T.	.01	.01	.02	.02					0.81
Southern Division																																	
Arbovale	Greenbrier																																
Athens	New		T.	.20	.04	.08	.13		.05							T.	T.				.27	1.17	.02	.02	.13	.10	.15	.20	.10				2.66
Bluefield	do.	T.			.05	.04	.03	.60	20		.62										.27	1.55	.03	.28	.20	.04	.20	.21	.12				3.84
Bluestone Dam	do.			T.	.03	.05		.24	T.	T.							T.	T.	T.	.49	.97	.04	T	T	.01	T.	T.						1.83
Camden-on-Gauley [2]	Gauley		.01	.01	.06	.13		.23	.14	.01	.01							.12			.26	.77	.08	.01	.02	.08	.08	.07	.02				2.11
Charleston	Gr. Kanawha			T.	.25	.02		.12	.01	T.	T						.04	.04		T.	.16	.48	.01	T.	.01	T.	T.	T.	T.				1.14
Charleston (Airport) [4]	do.		T.		.28	T.	.12	05	T.	T.	T.					.04	.09	T.	T.	T.	.56	.04	.01	T.	T.	T.	T.	T.					1.19
Clay	Elk																																
Dalwood	Big Sandy				.26	.05	.02	.13	.07							T.	.01	T.		.22	1.49		.04	.04	T.	.04	.04	T.					2.41
Cranberry Glades	Cranberry		.03		.06		.24														.42	.05	.11	.05		.40	.20						1.56
Flat Top [4]	New		T.		.49		.33	.05	.04		T.					T.	.01	T.		.18	1.03	.02	.09	.03	.04	.09	.09	.03				2.52
Gary [2]	Big Sandy		T.	T.	.14	.05		.11	.04	T.							T.	T.			.80	.75	.03	T.	T.	.10	.10	.05					2.17
Hamlin	Mud					.23		.10										.10			.20	.40											1.03
Hinton [2]	New		T.	T.	.05	.08	T.	.22	.02											T.	.38	.96	.06	T.	.02	T.	.01	T.					1.80
Hogsett	Ohio		T.	T.		.10	.03		.11	.01							.01	09		.04	.01	.35	.02		.05	.03	T.	.01					0.86
Huntington	do.		T.		.14	.20	.13	.05	T.							.01	.04			.03	.45	I.		T.	.01	T	T						1.06
Kayford [2]	Gr. Kanawha		.55			.40		.23	.15										.06		.35	.40	.07		.12		.12	.05	.02				2.52
Lewisburg	Greenbrier				.03	T.	.15	.10	.08	T.							T.			.08	1.20	.01		.06	T.	.04	.02	T.					1 77
Logan [2]	Guyandot			T.	.20	.05	T.	.19	.05	T.	T.	T.					.03	.02		.02	.28	.40	T.	T.	T.	T	T.	T.	T.					1.24
London Locks [2]†	Gr. Kanawha		T.		.10	.16		.13	.21								.04	.09		T.	.06	.57	T.		T.	.02	.01	.01	T.					1.40
Madison [2]	Coal				.39	.05		.17	.04	T.	T.							.07		.02	.25	.42	T.	T	T.	T.		T.					1.41
Oak Hill [2]	New				.08	.09		.29	.08	.03								.10		.01	.25	.61	.05	.03	.06	.07	.08	.03	.01				1.87
Pineville [2]	Guyandot		T.		.23	.10	.10	.22	.05	T.	T.										.40	.60	T.	T.	.03	.06	.03	.19	T.				2.01
Point Pleasant [2]	Ohio		.08	T	.09	T.		.09	T.		T.	T.					.11	.02		.02	T.	.15	T.	T.	.02	T.	T.	.02	T.				0.60
Princeton [2]	New		T.		T.	.15	T.	.04	.04											T.	.26	.24	.02	T.	.03	.02	.02	.01	T.				0 83
Rainelle	Greenbrier		.05		.25	.09	.18	.15	.15	.08	.04					.03	.09	.05		.13	1.04	.13	.16	.10	.07	.18	.17	.13					3.27

Continued on next page.

Daily Precipitation for February 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood[2]	Ohio			.01	.06			.05									.03	.05	.03			.26			.02	.03		.03					0.57
Richwood[2]	Gauley					.28		.33	.16								T.				.22	.94	.12	.08	.04	.24	.14	.26	.20				3.01
Ripley	Ohio																																
Spencer[2]	Litl.Kanawha	T.	T.		.05		.05	.60	.04	T.	T.	T.			.28		.05			.09	.05	.30	T.		T.	.02	.02	.13	.45				2.13
Summersville[2]	Gauley				.28	.15		.13								T.			T.	.50	1.70	.12	.12	.10	.23	.40	.25		.13				3.96
Sutton	Elk		T.		.10		.05	.10	T.	T.						T.	.12			.85	.10	.10	.05	.05	.05	.05	.05						1.67
Union[2]	New					T.		.35	.02											.58	.61				.04								1.60
Wayne[2]	Twelvepole				.30	.03		.15	.04								.04			.08	.11	.35			.01	.01	T						1.07
Webster Springs	Elk	.31			.25		.20		.04							.03	.05			.60	.13	.02			.04	.04							1.71
White Sulp'r Spgs.	Greenbrier				.02		.06	.16												.09	1.30	.05		.10		.08	.05	T.					2.01
Williamson[2]	Big Sandy				.25	.03		.20											.02	.05	.33	.39	T.	T.	.02	T.	T.						1.29
Winfield Locks[2†]	Gr. Kanawha		1	T.	.16	.06		.15	T.							T.	.06		.03	.02	.45	.01	T.	.01	.01		T.						0.96

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for February 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	41	39	50	40	13	26	30	20	11	17	34	39	48	52	48	34	30	38	32	24	23	18	19	21	26	25	25	31				30.5
	Minimum	16	14	4	5	— 6	0	19	— 2	0	7	13	7	4	16	25	26	24	17	16	11	9	9	11	5	13	18	15	12				11.0
Bluefield	Maximum	48	48	51	48	11	32	35	34	14	25	37	42	51	56	55	45	40	52	45	30	25	22	24	20	25	23	27	30				35.5
	Miuimum	24	16	18	11	— 1	7	26	— 1	2	8	13	25	25	28	40	29	31	28	26	18	16	16	15	8	15	18	16	12				17.5
Brandywine	Maximum																																
	Minimum																																
Buckhannon	Maximum	45	40	55	49	6	28	32	22	13	23	34	39	49	56	44	36	34	42	38	31	23	22	21	20	27	27	25	33				32.6
	Minimum	17	18	8	5	— 1	4	22	— 1	5	11	11	8	11	21	21	30	30	23	22	19	15	14	16	10	16	22	17	— 3				14.0
Cairo	Maximum	44	45	58	56	13	26	26	27	16	37	33	48	52	58	62	39	37	45	40	43	25	28	26	28	32	31	30	35				37.1
	Minimum	17	22	11	11	2	2	21	2	6	14	5	12	13	13	27	32	21	19	21	24	18	14	15	11	15	21	21	1				14.7
Charleston (Airport)	Maximum	48	36	61	52	16	37	33	18	20	29	41	41	52	63	46	38	38	49	32	32	28	30	26	24	31	32	33	40				36.6
	Minimum	20	18	16	8	4	9	18	4	8	14	10	21	21	24	30	33	26	24	25	24	21	18	16	15	24	26	22	12				18.2
Clarksburg[3]	Maximum	43	27	56	40	14	32	33	11	14	25	35	41	48	55	44	35	33	40	30	27	33	23	21	25	25	34	26	32				32.2
	Miuimum	20	18	14	14	0	0	12	5	0	7	13	10	12	15	23	31	32	25	22	22	15	15	15	13	13	24	21	— 1				14.6
Cranberry Glades	Maximum	45	40	41	36	9	21	32	28	11	20	36	44	49	54	48	30	30	42	33	46	25	22	41	38	30	20	35	47				34.0
	Miuimum	15	11	3	30	2	2	12	7	4	3	10	12	15	14	34	23	25	11	20	11	9	8	10	3	9	14	12	2				11.8
Elkins	Maximum	46	29	53	42	10	32	34	13	11	23	38	39	45	57	44	32	32	40	31	28	19	18	19	19	25	25	23	30				30.6
	Minimum	18	11	8	0	— 3	10	12	— 2	3	10	10	13	20	27	29	24	20	20	16	13	12	11	9	17	20	6	0					12.3
Fairmont[3]	Maximum	44	44	55	52	10	27	31	22	15	26	35	42	48	57	50	37	34	40	37	29	28	26	24	22	29	30	29	34				34.2
	Minimum	20	20	14	8	1	6	22	1	7	13	18	11	15	24	20	32	30	27	20	19	15	15	17	11	19	24	21	3				16.2
Flat Top	Maximum	45	33	47	36	3	26	32	20	10	21	35	41	48	54	43	30	30	43	33	23	20	20	17	15	20	20	22	28				29.1
	Minimum	23	12	15	0	— 1	— 2	20	— 6	— 4	3	9	19	38	19	29	25	26	23	20	16	12	11	8	1	9	14	12	6				12.8
Gary[3]	Maximum	52	23	62	38	15	37	40	12	19	29	42	41	56	63	47	42	43	62	33	32	28	29	27	28	29	28	31	36				36.4
	Minimum	23	21	16	16	4	3	7	5	4	7	7	12	21	21	24	32	34	23	24	24	21	18	20	10	13	22	20	5				16.3
Gleuville	Maximum	50	45	58	57	31	32	31	30	38	30	40	43	53	62	60	43	39	42	46	48	38	41	40	36	32	33	34	39				41.8
	Minimum	20	23	15	11	4	8	23	3	9	9	12	12	17	21	27	33	32	25	22	31	19	21	18	14	20	25	21	2				17.8
Graftou	Maximum	43	39	53	49	7	28	32	22	14	23	33	38	45	55	45	37	33	41	38	30	25	23	22	21	29	29	26	30				32.5
	Minimum	16	18	8	4	0	4	22	0	5	5	18	6	11	21	28	32	30	24	20	19	14	14	17	11	18	23	18	— 6				14.3
Huntington	Maximum	49	41	60	55	16	32	37	20	22	31	42	40	52	61	57	41	39	52	44	32	34	32	29	25	34	32	35	42				38.8
	Minimum	23	24	20	12	4	15	20	3	8	14	16	21	23	25	37	33	33	25	24	27	22	19	22	16	22	26	23	19				20.6
Lewisburg	Maximum	49	44	43	43	11	27	39	35	19	29	40	43	52	56	51	37	35	51	40	28	25	28	25	22	34	30	29	36				35 8
	Minimum	19	17	13	9	— 1	4	25	2	1	8	11	22	23	21	30	29	29	17	26	19	15	13	15	5	12	12	11	4				14.8
Logan[3]	Maximum	51	38	63	32	19	38	35	15	22	33	44	42	54	62	47	41	42	49	33	33	30	30	26	26	31	31	35	39				37.2
	Minimum	26	25	20	21	6	6	17	5	5	10	12	12	24	24	27	35	36	26	27	29	24	23	24	15	18	25	25	14				20.0
Madison[3]	Maximum	50	35	60	27	20	40	35	14	21	30	41	44	52	50	47	40	40	48	32	32	29	30	30	26	31	31	34	40				36.0
	Minimum	23	23	17	19	4	5	20	4	4	10	8	9	20	21	23	33	33	23	25	28	21	21	18	16	16	25	24	12				18.0
Mannington	Maximum	24	41	53	49	9	27	32	24	15	29	39	44	50	56	56	37	36	39	39	32	27	27	25	24	31	30	30	38				34.4
	Minimum	15	18	8	9	0	5	21	— 2	5	12	17	3	10	18	24	30	28	24	15	20	20	14	16	10	19	27	18	— 7				14.2
Martinsburg	Maximum	43	34	38	36	13	34	45	23	25	30	47	42	47	59	56	40	46	50	36	27	30	26	27	29	37	35	31	38				36.6
	Minimum	28	20	13	7	4	12	23	11	11	19	24	21	15	19	26	33	24	21	26	15	19	19	16	14	24	28	21	14				18.9
Middlebourne	Maximum	41	30	56	27	12	33	27	14	17	29	39	45	50	58	43	43	34	41	33	30	26	26	28	27	32	32	30	37				33.6
	Minimum	20	20	14	27	1	7	21	— 2	2	15	12	9	13	23	31	33	31	27	21	20	17	6	18	10	21	21	21	— 4				16.2
Morgantown	Maximum	35	31	49	45	1	22	24	17	9	19	29	32	40	49	45	32	29	33	33	22	17	27	24	15	24	23	21	28				27.7
	Minimum	25	14	17	1	— 2	0	0	— 2	2	8	15	18	22	27	32	30	25	25	23	13	12	15	10	7	14	20	15	10				14.1
New Martinsville	Maximum	43	38	55	47	13	28	31	21	18	28	38	41	50	53	45	39	38	41	37	30	29	29	27	26	33	34	31	37				35.0
	Minimum	20	20	14	9	0	8	20	0	7	14	12	11	15	23	30	32	29	29	19	22	17	12	17	11	17	25	19	5				16.3
Parkersburg	Maximum	43	32	54	51	13	32	29	13	20	30	38	40	50	58	52	37	36	43	32	29	27	28	24	25	32	32	31	38				34.6
	Miuimum	23	21	20	5	4	12	12	2	7	15	18	17	20	26	35	33	31	28	20	19	19	16	12	24	26	17	8					18.2
Petersburg	Maximum	54	34	51	40	15	38	45	22	24	31	49	48	55	65	52	40	47	52	36	26	30	26	27	30	34	34	31	39				38.4
	Minimum	21	22	14	5	3	14	22	8	9	16	21	18	13	20	29	34	20	17	23	14	6	17	17	14	22	26	23	15				17.2
Point Pleasant	Maximum	44	42	55	55	16	32	34	28	21	30	37	39	46	57	57	38	40	43	42	34	29	30	37	29	33	33	34	37				37.2
	Minimum	23	24	20	13	4	13	20	3	7	15	17	17	20	25	35	33	32	26	24	32	23	22	20	16	26	23	26	34				19.5
Rainelle	Maximum	49	40	45	42	7	26	35	26	16	26	40	42	51	58	42	34	31	43	37	29	23	22	20	16	26	23	26	34				32.5
	Minimum	16	15	9	6	— 3	— 4	21	— 1	0	5	— 2	14	22	18	23	25	24	15	14	16	13	10	16	6	13	16	14	— 4				11.3
Spencer[3]	Maximum	45	33	58	32	10	31	28	12	18	28	38	40	49	58	44	37	35	45	32	30	27	27	26	25	31	32	31	37				33.5
	Minimum	17	20	15	18	0	7	18	— 1	5	11	9	11	17	19	28	30	29	22	20	25	16	15	12	12	18	20	19	7				15.7
Summersville[3]	Maximum	26	51	22	10	35	22	20	12	29	38	43	51	57	57	43	35	40	29	30	23	24	19	19	27	33	28	37	36				32.0
	Miuimum	16	9	11	11	— 3	— 4	— 3	— 1	6	— 7	9	15	16	24	22	27	16	21	21	13	13	14	8	9	18	16	— 8	6				10.5
Sutton	Maximum	48	45	57	57	22	30	30	30	24	28	40	42	53	60	60	43	43	45	45	36	32	27	27	26	30	30	31	36				38.5
	Miuimum	20	22	13	12	3	7	24	3	8	14	5	13	18	20	26	32	35	22	28	27	18	18	20	13	19	20	19	3				17.2
Wardensville[3]	Maximum	47	32	41	41	22	36	44	23	24	31	49	45	50	64	58	55	41	54	31	20	31	28	25	29	37	34	29	37				38.0
	Minimum	17	21	10	14	2	4	19	11	6	16	19	11	12	18	26	27	26	15	20	19	13	12	15	15	10	26	19	17				15.7
Weston	Maximum	38	34	54	50	40	34	30	26	15	26	39	40	48	59	55	45	36	41	40	32	31	24	23	26	30	29	30	35				36.2
	Minimum	20	21	10	20	0	11	25	9	8	12	19	12	15	22	44	41	31	32	26	24	30	18	17	19	11	22	25	19	0			18.6
Wheeling[3]	Maximum	39	27	50	28	27	26	24	18	18	26	35	40	49	55	42	41	34	40	32	29	28	24	24	29	33	32	29	35				32.6
	Minimum	21	20	14	15	1	4	12	1	1	8	15	13	13	16	26	33	27	28	19	19	16	15	16	12	13	26	21	13				15.6
White Sulphur Spgs.	Maximum	53	52	50	46	12	28	39	44	19	28	41	45	54	57	60	40	37	51	46	31	27	28	25	22	31	28	29	35				37.8
	Minimum	17	19	10	10	— 1	6	22	4	3	10	16	18	23	19	25	31	32	19	28	20	17	15	19	9	15	18	18	1				15.8
Williamson[3]	Maximum	58	40	64	32	19	39	32	16	24	35	45	40	55	65	47	44	45	50	33	33	32	31	28	26	32	31	37	40				38.1
	Minimum	26	25	20	23	7	6	13	5	5	12	10	11	21	22	25	35	35	25	27	30	24	23	24	17	18	26	25	15				19.8

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—5-13-47—925)

NWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LV MARCH 1947 No. 3

GENERAL SUMMARY

Continuing the abnormally cold weather of February, the temperatures remained so low that there was experienced in West Virginia the coldest March of record. The mean temperature was 34.1° which was 8.3° below normal. During the periods 3d-4th, 16-18th, 20th, 25-28th, 30th, the temperature averaged 10° or more below normal. The weather moderated producing somewhat above normal temperatures on the 12-14th and 23d-24th. Below zero temperatures were recorded on the 1st at three stations and at one on the 11th.

Snowfall, also, was of record-breaking proportions, the average amount of 17.9 inches being the greatest of record for March in West Virginia. However, precipitation averaged only 2.27 inches which was 58 percent of the normal amount for March. On the 13-14th, damage estimated to total at least $6,000 was caused by high winds in Mercer and Monroe Counties. Long continued, high southwest to northwest winds, with gusts estimated as strong as 70 m.p.h. in some places, occurred over the entire State on the 24-25th causing damage to parked aeroplanes, buildings, trees and utility wires. The total loss was estimated in excess of $100,000.

The weather was unfavorably cold for crop growth all through March. In fact, winter conditions prevailed except for the last week, when small plantings of early vegetables and oats were made. In general, spring was about three weeks late. Most farms were on winter routine all month.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 88 stations, was 34.1°, or 8.3° below the normal. The mean for the northeastern panhandle division was 34.7°; for the northern division, 33.7°; and for the southern division, 34.2°. The highest monthly mean was 38.9° at Huntington; and the lowest, 26.1° at Cranberry Glades. The highest temperature was 76° at Hinton on the 24th and at Williamson on the 23d and 24th; and the lowest, −7° at Bayard on the 1st.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 104 stations, was 2.27 inches, or 1.63 inches below the normal. In the northeastern panhandle division, the average was 1.46 inches; in the northern division, 2.40 inches; and in the southern division, 2.52 inches. The greatest monthly precipitation was 7.48 inches at Pickens No. 2, and the least, 0.55 inch at Wardensville. The greatest amount in any 24 consecutive hours was 1.50 inches at Kayford on the 25th. The average monthly snowfall was 17.9 inches, or 11.8 inches above the normal. The greatest monthly snowfall was 86.5 inches at Pickens No. 2. The average number of days with 0.01 inch or more of precipitation was 13.

ERRATA

November 1945.—Page 42, Brandywine: Mean monthly temperature 2.6°. Gary: Mean monthly temperature 46.8°; number of days with .01 or more precipitation 12. McNeill: Highest temperature 82°, date th. Philippi: Greatest precipitation in 24 hours 0.90, date, 15th. Summersville: Number of days with 0.01 or more precipitation 12. Union: Date of maximum temperature 1†. Page 44, Gary: Mean minimum emperature 33.8°.

December 1945.—Page 46, Hinton: Maximum 59°, date 8th. St. Marys: Total precipitation 3.20, departure −0.14. Martinsburg: Mean monthly temperature 28.2°, departure −5.8°. Morgantown: Greatest 24-hour precipitation 0.58, date, 6th. Williamson: Maximum temperature 73°, date 25th.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense												1	1	1							1										
Gales	6	17	25	14	3	1	1						3	11	3	1	6	2		2	5	4		20	48	32	5	3	14	2	
Hail																								1	1						
Halos, solar																															
Sleet	7			1	1										5						1		1				1			
Thunderstorms													1				1							21	11						

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Cincinnati, Ohio	30.41	10	29.05	24	6.3*	23*	w.*	3*	83*	60*	64*	47*	839
Columbus, Ohio	30.43*	12*	28.98*	24*	11.6	53	sw.	25	83	65	71	52	943
Elkins*	30.51	12	29.11	24	8.9	41	w.	25	87	66	72	30	1065
Huntington*	30.44	12	29.15	24	.....	36	sw.	29	80	57	64	....	905
Parkersburg	30.45	12	29.11	24	7.8	38	nw.	25	74	53	59	31	896
Petersburg, W.Va.*	30.53	12	29.05	25	.....	*38*	sw.	25	77	46	61	....	909
Pittsburgh, Pa*	30.48	12	28.99	25	12.9	50	s.	25	77	60	68	28	1008

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR MARCH

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	34.9	.....	.....	5.52	5.24	5.46	4.91	.....	.....	.....	.....	.....
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	.....	.....	.....	.....
1893	40.7	84	3	0.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	0.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	0.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	0.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	**94**	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	0.49	0.40	0.79	**0.55**	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	34.4	63	7	0.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	0.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	0.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	**−18**	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.44	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	0.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	0.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
1942	44.1	89	0	3.49	3.51	3.87	3.64	15.5	12	9	10	12
1943	40.0	85	−17	3.13	4.57	5.28	4.59	6.5	12	12	8	11
1944	40.2	87	−14	4.73	5.60	4.94	5.21	4.4	15	10	7	14
1945	52.1	91	12	2.71	5.36	4.25	4.58	1.2	12	12	9	10
1946	50.7	88	11	2.70	3.98	3.45	3.62	0.2	12	12	8	11
1947	**34.1**	76	−7	1.46	2.40	2.52	2.27	17.9	13	7	9	15
Period	42.4	94	−18	3.04	4.05	4.09	3.90	6.1	12	11	7	13

Climatological Data for March 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	27.7	−10.0	55	14	−7	1	3.08	−1.43	0.50	3†	36.8	18	8	4	19	w.	Howard R. Fulk
Berkley Springs	Morgan	640	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brandywine	Pendleton	1,586	31	.. ..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Clifford I. Dickenson
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	1.72	−1.33	0.55	14	5.7	7	.....	.....	.....	.....	Miss Eleanor J. White
Iuwood	Berkeley	569	14	36.6	.....	68	23	11	1	1.47	.....	0.76	14	6.0	5	9	16	6	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	36.8	−5.2	67	14	12	1	1.68	−1.64	0.74	2	7.0	6	6	18	7	w.	University Exper. Station
Martinsburg	Berkeley	545	55	35.6	−6.0	66	23	11	1	1.56	−1.70	0.54	14	12.0	8	9	9	13	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	13	34.1	−6.9	67	23	8	6	0.72	−1.87	0.35	2	8.0	6	7	12	12	w.	R. E. Saville
Petersburg	Grant	1,029	8	35.7	..	70	23	11	1	0.75	.....	0.20	24	4.3	8	6	12	13	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	35.3	−5.9	63	23	10	1	1.38	−1.60	0.55	25	4.0	8	7	11	13	w.	C. A. Suter, Jr.
Romney	Hampshire	824	46	36.6	−5.8	66	23	10	1	1.15	−1.71	0.33	2	....	11	7	8	16	.....	Marion W. Haines
Stony River Dam	Grant	3,300	15	.....	.....	.....	.....	.....	.....	2.34	−1.01	0.46	24	22.0	12	2	7	22	.....	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	33.6	−8.3	67	23	4	1	0.55	−1.65	0.25	2	4.8	5	18	10	3	nw.	Reymann Memorial Farm
Means and Extremes		.....	....	**34.7**	.....	**70**	**23**	**−7**	**1**	**1.46**	.....	**0.76**	**14**	**11.5**	**8**	**8**	**11**	**12**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	2.04	−1.75	0.62	25	8.4	14	5	10	16	w.	L. Esle Bond
Bensou	Harrison	1,080	22	34.4	−5.9	66	31	8	1	2.21	−1.25	0.60	25	14.5	13	8	11	12	.....	R. D. Marts
Bens Run	Pleasants	652	46	35.4	−8.1	66	24	17	5	1.64	−2.40	0.41	14	.....	16	15	8	8	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	30.6	.....	57	31	5	1	4.61	.....	.....	.....	26.9	14	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	34.3	−7.6	67	23‡	10	1	2.10	−1.37	0.62	25	14.0	12	7	8	16	n.	M. D. Hawkins
Buckhannou	Upshur	1,459	56	32.8	−9.1	63	23†	10	1	1.81	−2.70	0.50	25	18.5	15	3	10	18	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	35.6	−8.7	70	23	13	5	1.43	−2.39	0.34	25	6.2	12	8	13	10	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	26.2	.....	56	31	1	11	4.16	.....	0 90	3	39.0	15	5	15	11	w.	George B. Thompson
Clarksburg	Harrison	1,015	24	32.0	−7.7	63	23	−1	1	2.01	−1.01	0.47	25	11.9	14	10	7	14	w.	Clarksburg Water Board
Creston	Wirt	640	46	35.4	−8.6	71	23	12	20†	2.31	−1.79	0.67	14	3.9	12	8	6	17	. ..	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	34.6	.....	61	23	13	1	1.73	−2.04	0.42	25	4.2	15	8	7	16	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	1.28	−2.15	0.43	14	.....	14	....	..	....	....	Lockmaster
Dam 15 Mou. R	Marion	882	25	.....	.....	.....	.....	.....	.....	1.74	−1.40	0.42	25	6.0	16	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	1.37	−2.17	0.48	14	.....	9	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	1.46	−2.25	0.50	14	5.9	9	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	30.7	−8.4	62	31	3	1	3.01	−0.79	0.74	24	25.7	17	2	9	20	w.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	35.0	−6.5	63	23†	14	1	1.64	−2.33	0.59	25	4.9	12	5	5	21	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	37.6	−7.1	69	23†	15	5†	2.86	−1.43	0.51	25	6.7	13	6	11	14	w.	Howard R. Brannon
Grafton	Taylor	1,100	53	33.2	−8.3	63	23	5	1	1.62	−2.14	0.39	14	17.6	14	5	6	20	sw.	William D. Myers
Harrison County Airport	Harrison	1,188	7	32.4	.....	62	23	12	1	2.14	.....	0.65	24	15.5	11	3	7	21	sw.	U. S. Airway Station
Hastings	Wetzel	809	12	.. ..	.....	.....	.....	.....	.....	2.26	−2.21	0.70	14	3.2	15	9	11	11	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	2.00	−1.26	0.53	25	8.5	15	.....	.....	.....	.....	Reta Goldsmith
Mannington, 1½ mi. NW	Marion	974	45	33.7	−8.6	64	31	7	5	2.10	−1.93	0.47	14	7.6	21	7	5	19	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	6	34.6	.....	63	31	9	5	1.55	.....	0.60	14	.....	8	.....	.....	.....	.....	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,250	71	33.8	−8.3	63	31	10	2	1.88	−1.51	0.60	25	4.5	13	3	6	22	.....	State Dairy Farm
New Cumberland	Hancock	671	52	34.5	−4.9	62	24	15	28	1.00	−2.24	0.39	14	.....	12	8	6	17	nw.	C. O. Valentine
New Martinsville	Wetzel	637	53	35.6	−7.7	65	31	16	1†	1.73	−2.06	0.54	14	3.2	9	11	6	14	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	36.2	−6.6	69	23	21	26	1.86	−1.63	0.67	25	5.9	12	4	7	20	w.	Section Center
Parsons	Tucker	1,649	48	31.6	−8.9	60	23†	8	6	3.12	−1.09	0.78	25	38.6	20	4	10	17	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	2.49	−1.65	0.51	25	21.2	14	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens	Randolph	2,760	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	1.91	−1.71	0.63	25	5.7	11	4	6	21	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	31.7	.....	64	31	5	1	2.36	−2.49	0.46	2	18.5	12	.....	.....	...	se.	W. H. Bolyard
Saint Marys	Pleasants	625	36	.....	.....	.....	.....	.....	.....	1.89	−2.03	0.55	14	8.6	13	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	18	.. ..	.....	.....	.....	.....	.....	4.64	−0.47	0.68	25	40.0	18	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	36.4	−6.1	67	23†	10	5	2.13	−1.56	0.50	25	8.8	13	8	7	16	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	33.4	−6.4	61	24	12	1†	1.55	−1.64	0.81	14	2.0	6	10	5	16	.....	George P. Pfister
West Milford‡	Harrison	979	21	... .	.....	.....	.....	.....	.....	2.37	−1.17	0.45	25	8.8	14	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	56	36.4	−7.4	68	31	16	5†	2.89	−1.39	0.62	25	13.2	13	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	33.8	−6.7	58	12†	15	1	1.26	−2.02	0.43	14	4.5	12	6	3	22	sw.	Lockmaster
Means and Extremes		.....	....	**33.7**	.....	**71**	**23**	**−2**	**1**	**2.40**	.....	**1.03**	**25**	**18.6**	**14**	**7**	**8**	**16**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	.....	.....	.....	.....	.....	3.51	−0.30	0.90	14	21.0	13	8	12	11	w.	H. S. Sutton
Athens	Mercer	2,600	7	32.3	.....	67	23	10	10	2.79	.....	0.91	28	20.7	18	7	13	11	nw.	Concord College
Bluefield	Mercer	2,558	52	33.8	−10.6	67	24	13	10	3.41	+0.29	0.80	8	34.7	16	11	8	12	.....	Norfolk & Westeru Ry.
Bluestone Dam	Summers	1,407	5	35.0	.....	72	23†	10	1	2.24	.....	0.57	27	26.6	13	10	3	18	n.	Willard F. Russell
Charleston	Kanawha	615	60	37.4	−10.0	73	24	15	28	1.65	−2.85	0.46	14	4.9	12	9	5	17	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	36.2	.....	73	24	12	28	2.12	.....	0.69	24	4.5	14	2	8	21	w.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	26.2	.....	56	23†	1	1	2.43	.....	0.44	3	26.5	13	8	13	10	w.	Department of Justice
Flat Top	Mercer	3,270	9	28.6	.....	61	23†	−1	11	2.89	.....	0.46	25	25.1	16	2	9	20	nw.	U. S. Airway Station
Gary	McDowell	1,426	30	35.2	−7.3	72	23	10	1	2.90	−1.26	0.94	28	26.5	13	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	35.6	...	74	24	4	28	1.82	.....	0.52	15	.....	9	8	6	17	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	35.3	−8.8	76	24	14	1†	2.86	−1.04	0.64	27	23.3	11	...	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	38.9	−6.1	71	23†	19	28	1.73	−2.49	0.60	14	10.3	13	5	13	13	w.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	.....	.....	.....	.....	.....	3.80	−0.84	1.50	25	.....	8	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	32.8	−9.3	70	23	9	11	1.88	−1.76	0.48	27	24.4	14	13	3	15	w.	Prof. H. B. Graybill
Logan	Logan	700	34	36.8	−10.3	75	23†	17	1	2.67	−2.05	0.63	25	19 8	15	7	7	17	....	J. W. Ruff
London Locks	Kanawha	623	12	35.0	.....	72	23	11	1	2.28	−1.88	0.44	25	9.5	12	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	26	35.8	−6.9	74	24	12	28	2.07	−2.11	0.45	14	8.8	13	6	12	13	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	31.4	.....	68	24	10	11†	2.88	.....	0.46	28	33.0	17	7	6	18	.....	M. H. Martin
Pineville	Wyoming	1,350	5	32.3	.....	72	23	4	1	2.89	....	0.61	28	30.5	14	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	38.4	−6.8	70	23	16	28	1.68	−2.41	0.50	14	4.5	8	9	1	21	w.	E. C. Winger
Rainelle	Greenbrier	2,424	16	31.6	−7.7	66	23†	4	11	4.11	−1.44	0.53	25	72.0	15	10	5	16	.	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	36.6	−6.7	70	22†	14	28	1.48	−2.41	0.50	14	.....	11	10	3	18	nw.	Lockmaster
Richwood	Nicholas	2,193	16	30.6	−10.2	62	23†	3	7†	3.42	−2.08	0.56	26	.....	13	8	12	11	.....	Richwood Water Co.
Ripley	Jackson	610	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spencer	Roane	789	48	34.2	−8.7	70	23	8	28	2.71	−1.36	0.52	14	8.5	13	0	13	18	.....	A. M. McKown
Summersville	Nicholas	1,900	11	30.6	.....	66	31	2	6	.....	.....	.....	.....	.....	.....	2	21	8	.....	A. E. Dorsey
Sutton	Braxton	850	44	36.2	−8.0	69	23†	14	28	3.11	−1.23	0.60	25	21.0	14	7	17	7	.....	C. B. Eakle
Union	Monroe	2,200	43	31.9	−11.5	69	23	7	11	1.93	−1.62	0.55	28	22.0	9	16	1	14	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	34.9	.....	67	31	12	28	2.49	.....	0.60	25	11.3	9	9	6	16	n.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	34.4	−8.2	70	25	10	11	2.00	−1.57	0.45	8	22.6	13	2	9	20	w.	Greenbrier Hotel
Williamson	Mingo	673	46	37.0	−9.7	76	23†	17	1	2.58	−1.96	0.90	27	15.0	13	7	9	15	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	35.9	. ..	70	23	15	28†	1.81	.....	0.54	13	.....	12	5	5	21	w.	Lockmaster
Means and Extremes		.....	....	**34.2**	.....	**76**	**23†**	**−1**	**11**	**2.52**	.....	**1.50**	**25**	**20.6**	**13**	**7**	**9**	**15**	w.	
State Averages and Extremes		.....	....	**34.1**	**−8.3**	**76**	**23†**	**−7**	**1**	**2.27**	**−1.63**	**1.50**	**25**	**17.9**	**13**	**7**	**9**	**15**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1¼ miles S. *Italics* interpolated.

Daily Precipitation for March 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.09	.20	.50	.28	.05				.03	.02			.17	.23	T.	.05	.05	.09		T.	.04	.37		.16	.50	.20	.05	T.	T.	T.			3.08
Berkeley Spings	do.																																
Brandywine	do.																																
Brushy Run[3]	do.		.29	T.					T.	T.					.25			T.			T.		T.		.08	.18	.05	T.	.05				0.90
Harpers Ferry[2]	do.		.20	.29											.55	.07		T.	T.				.08		.28	.25							1.72
Inwood	do.		.45											.53	.23			T.				T.			.21					.05			1.47
Kearneysville	do.	.04	.70											.21	.27			T.					T.		.23	.23							1.68
Knobly Mountain[2]†	do.		.30	T.		T.									.21	T.		.01					.02		.15	.33	T.	T.		T.			1.02
Martinsburg[4]	do.	.05	.45	T.										.40	.14			T.	T.			.07	T.	T.	.23	.14	T.	T.		T.	.08			1.56
McNeill†	do.	.11	.24											T.	.15							T.			.10	.08	.04							0.72
Petersburg	do.	.15	.16	.01	T.	T.			T.					.06	.08		T.	T.	T.			T.	T.	T.	.20	.08	T.	.01		T.	T.			0.75
Piedmont	do.	.36	.09											T.	.25			T.					.03		.20	.35	T.	.04			.06			1.38
Romney	do.	.09	.33											.11	.16	.01		.02				.01	.03	.02	.15	.22	T.							1.15
Springfield	do.		.36	.04											.24	.01									.16	.18								0.99
Spruce Knob[2]‡	do.	T.	.22	.26	.09	.13			.04	T.					.74	.18		.07	.14	T.		.12	.18		.34	.38	.14	.03	.18					3.24
Stoney River Dam[2]†	do.			.20	.12	.04									.36	.04		.20	.12			.25			.46		.40	.10			.05			2.34
Wardensville[2]	do.		.25	T.					T.						.14			T.				T.	.05	.05	.06								0.55
Northern Division																																	
Aberdeen†	West Fork	.08	.15	.15	T.	.08				T.	T.			T.	.27	T.	.02	.04				.08	.14	.03	.26	.62	.08		.04		T.			2.04
Belington[2]	Tygart	T.	.12	.21	.05	.04				T.	T.	T.			.21	.08	.01	.06	.02			T.	.30	.02	.28	.59	.15	.02	.07	T.	.03			2.26
Beuson†	West Fork	.10	.11	.14	.02	.04					.02				.35	.05		.15				.10			.44	.60	.09							2.21
Beus Run	Ohio	.09	.05	.10	.06					T.				.13	.41	.03	.01	.02			.01	.17	.10	.15	.05	.17	.09							1.64
Brandonville[2]	Cheat	T.	•	.95	.20					T.	T.				1.30	.15		.13	.08			.22	.18	.42	.23	.42	.20	.13		T.				4.61
Brownsville†	West Fork	.08	.20	.20		.05									.27			.04				.07		.05	.34	.62	.15		.03					2.10
Buckhannon	Tygart	.06	.10	.11	.01	.04				T.	T.			.01	.27	.02	T.	.03	T.			.09	.12	.03	.31	.50	.10	.01	T.					1.81
Cairo	Litl. Kanawha	.08	.08	.03		.02								.09	T.	.03		.04				.12	.10		.29	.34	.21							1.43
Canaan Valley	Cheat	.20	.25	.90	.12									.08	.30			.40	.12			.13	.55	.07	.34	.30	.12	.28						4.16
Clarksburg[2]	West Fork		.10	.15	.10	.04									.20	.08	T.	.05				T.	.26	.02	.24	.47	.23	.02	.05					2.01
Crawford	do.	.08	.15	.20	.02					T.	T.			T.	.24	T.	.06	T.				.08	.18	.03	.24	.60	.13	.07						2.08
Creston[2]	Litl. Kanawha	T.	.09	.10	T.	.01				T.					.67	.05		.01	T.		.10	.24	T.	.06	.37	.55	.06	T.	T.					2.31
Dailey[2]†	Tygart	.02	.14	.45	.04	.05			T.	T.	T.	T.		T.	.14	.03	.01	.03	.03	T.		T.	.23	T.	.26	.49	.18	.04	.08	T.	T.			2.22
Dam 10, Mon. R. [2]†	Monongahela		.17	.07	T.	.02				T.	T.	T.			.32	.08	.04	.08	.01			.05	.16	T.	.16	.42	.10	.04	.01					1.73
Dam 13, O. R. [2]†	Ohio		.10	.01	T.	T.									.43	.07	.05	.01	.01			T.	.15	.02	.11	.26	.01	.04			.01			1.28
Dam 15, Mon. R. [2]†	Monongahela		.18	.04	.03	.02					T.				.27	.14	T.	.05	.02			.01	.20	.03	.17	.42	.14	.01	.01					1.74
Dam 19, O. R. [2]†	Ohio	T.	.11	T.		T.									.48	.03		.02				T.	.17	.02	.26	.26	.02							1.37
Dam 20, O. R. [2]†	do.	T.	.08	T.	T.	T.				T.					.50	.06	.02	T.	T.		T.	T.	.14	T.	.30	.30	.05	.01	T.					1.46
Elk†	West Fork		.12	.12										.41	.10			.08				.21		.10	.25	.30								1.69
Elkins[1]‡	Tygart	.12	.42	.51	.16	T.				T.	T.			.02	.25	.01	.01	.12	T.			.10	.08	.04	.74	.22	.11	.03	T.	.07	T.			3.01
Fairmont[2]	Monongahela	.09	.10	.09	T.	.04									.30	T.						.07	.07	.03	.20	.39	.24			.02				1.64
Glenville[2]	Litl. Kanawha	.08	.23	.41	T.	T.								.04	.42	T.	T.	.03	T.			.06		.46	.33	.51	.10	.11	.08					2.86
Graftou	Tygart	.13	.10	.07	.03	.03				T.	T.				.39	T.	.01	.05				.08	.10	.01	.21	.33	.08	T.	T.					1.62
Hackers Creek†	West Fork		.10	.08	.05									.28		.04	T.	.06				.10		.17		.48	.03	T.						1.39
Hall[2]	Tygart	T.	.36	.17	.06	.08				T.	T.	T.			.24	.05	.02	.05	.02			.02	.27	T.	.30	.47	.11	.02	.05	.04				2.33
Harrison Co. Arpt[4]	West Fork	.06	.29	.17	.01					T.	T.			T.	.25	.10	.02	T.			T.	.16	T.	.14	.65	.29	T.	T.	T.					2.14
Hastings	Ohio	.08	.08	.06	T.					T.				.04	.70	.04	.06	.04			.01	.12	.18	.04	.31	.46	.04	T.						2.26
Horner	West Fork	.05	.03	.07	.03						T.				.05	.09	.04	.03				.35			.30								1.04
Ireland	do.	.42	.52		.08	T.					T.				.16	.08	.03	T.					.20	.06	.20	.76	.12	.15	.09				2.87
Jane Lew	do.	.08	.20	.13	.05	.05				T.				T.	.26	.01	T.	.04				.07	.14	T.	.29	.53	.12	.01	T.	.02				2.00
Kumbrabow St.For.†	[2]Tygart	.27	.34	.64	.13	.26			.02		.02				.45		.08	.14	.05			.03	.30	.40	.58	.45	.50	.15	.25		.03			5.09
Manuington	Monongahela	.06	.12	.04	.01	.03					.01			.02	.47	.04	.02	.06	.01	.01		.12	.13	.07	.27	.46	.13	T.	.01	.01				2.10
Middlebourne[2]	Middle Is. Crk.		.07	T.	.02	T.									.60	.02	T.	T.	T.				.23		•	.52	.09	T.	T.					1.55
Midvale[2]†	Tygart	T.	.31	.28	.10	.15				T.	T.	T.			.22	.14	.02	.09	T.			.01	.31	.01	.29	.59	.25	.05	.10	T.				2.92
Morgantown	Monongahela	.03	.21	.03	T.			T.		T.	.06				.40	.32	T.		.04		.01	.09	.04	.02	T.	.60	T.	.03	T.	T.				1.88
Mt. Clare	West Fork	.10	.03	.11	.07									.36								.10	.04		.15	.61	.11			.01				1.69
New Cumberland	Ohio	.10	.04								T.			T.	.39	.03	.01	T.				.09	.05	.03	.08	.11	.02	T.		.05				1.00
New Martinsville	do.	.06	.05											T.	.54	T.	T.	.06			T.	.18	.09	T.	.24	.46	.05	T.						1.73
Parkersburg[1]‡	do.	.10	.02	T.	.02					T.	T.			.13	.40	.02	T.	.01			T.	.22	T.	.05	.47	.38	.04	T.		T.				1.86
Parsons	Cheat	.11	.18	.21	.10	.05				T.	.02			.05	.32	T.	.02	.09	.02			.07	.30	.10	.30	.78	.23	.05	.07		.05			3.12
Philippi[2]	Tygart	T.	.25	.23	.11	.08				T.	T.	T.			.23	.05	T.	.09	T.			T.	.28	.01	.24	.51	.35	.01	.05		T.			2.49
Pickens	do.																																
Roanoke	West Fork	.05	.15	.04	T.										.30			.05				.09		.15	.32	.63	.10	T.	.03					1.91
Rockford†	do.	.09	.20	.03	T.	T.				T.				T.	.23			T.				.15				.85	.03	T.	.05	.02				1.65
Rowlesburg[2]	Cheat	T.	.46	.10	.08	.05				T.	T.	T.			.20	.15	T.	.10	.05			T.	.30	T.	.27	.45	.15	T.	T.		T.			2.36
Saint Marys[2]	Ohio	.06		.04	.04										.55		.02	.07				.03	.24	.03	.28	.48	.03	.02						1.89
Salem	West Fork	.10	.11	.10		.04				T.	.02				.46	.02	.03	.04				.15	.15		.15	.40	.05							1.82
Sand Fork	Litl. Kanawha	.10	.15	.16	.06	.03				T.	T.			T.	.27	.02	T.	.07				.07	.19	.25	.08	.70	.14	.10						2.39
Thomas[2]	Cheat	.08	.41	.42	.48	.18				T.	.10	T.			.28	.25	.05	.05	.08	T.			.40	.19	.27	.68	.49	.15	.08					4.64
Valley Chapel	West Fork	.08	.17	.28	T.	.07				T.					.31	T.	.04	.09				.13	.15	.07	.20	.50	T.	.04		T.				2.13
Valley Head[2]	Tygart	T.	.30	.38	.13	.20			T.	T.	T.				.33	.04	T.	.08	.09			T.	.60	.10	.39	.73	.36	.23	.20		.01			4.17
Vandalia†	West Fork					.20									.24									.98				.15						
Wellsburg (near)	Ohio	.10		T.											.81	.10	T.	T.				T.			.21	.24			.09				1.55
West Milford	West Fork	.10	.15	.15		.05									.35			.08				.10	.17	.10	.31	.45	.25		.05		.06			2.37
Weston[2]	do.		.23	.25	.14	.15				T.	T.				.16	.22	T.	.12	T.			T.	.24		.25	.62	.36	.08	.07					2.89
Wheeling (Dam 12)[2]	Ohio		.08	.03	T.						T.				.43	.10	.05	.02	T.			T.	.10	.01	.10	.29	.01	.04	T.					1.26
Southern Division																																	
Arbovale	Greenbrier	.35	.13	.05	.05				.05		T.				.90	T.	T.	T.				.05	.33	.66	.45	.25	.13	.13						3.51
Athens	New	.17	.20	.11	T.	.06	.02		.49				.02	.27	T.		.01	.02			.02	.07	.10		.13	.10	.09	.50	.41						2.79
Bluefield	do.	.25	.30	.40	.02	.15	.05		.80						.32		T.	.02			.03	.08	.12		.11	.26		.18	.32					3.41
Bluestone Dam	do.		.33	.05	T.	.03	.03	T.	.34	.04					.10			T.				.06	.11		.20	.18	.20	T.	.57					2.24
Camden-on-Gauley[2]	Gauley		.06	.24	.02	.16				.02					.14	.02		.04	.01			.04	.15	.24	.40	.60	.15	.04	.26					2.59
Charleston	Gr. Kanawha	.10	.06	.01	T.	.06			.02						.46	.05	T.	T.	T.			.03	.15		.29	.19	T.	T.	.23					1.65
Charleston Airport[4]	do.	.16	.03	.03	.03	T.			.02					.06	.56	.01	T.	.03			.04	.21	.01	T.	.69	T.	T.	.24		T.				2.12
Clay	Elk			T.	.26			.40	.10	.11					.12										.16	.09	.03	.02	.27	.02				1.51
Coalwood	Big Sandy	.34	.15	.10	T.	.04	.06		.46						.22			T.	T.		.04	.05	.13		.18	.11	.05	.51	.30					2.64
Cranberry Glades	Cranberry	.14	.16	.44					.13	T.			.14		.11	.14		.18			.12	.12			.25	.25			.25					2.43
Flat Top†	New	.14	.13	.15	.02	.14	.02		.44					T.	.09	T.	T.	T.			.05	.22	.10	T.	.32	.46	.10	.41	.10					2.89
Gary[2]	Big Sandy	.06	.36	.40		.09	.06		.47						.07	.03		T.					.11	.01	.19	.11			.94					2.90
Hamlin	Mud	.25		.03		.05	.07		.05							.52		T.					.17			.43			.25				1.82
Hinton[2]	New		.39	.10	T.	T.	.19		.54						.07			T.				.09	.18	T.	.23	.20	.23	T.	.64					2.86
Hogsett	Ohio	.07	.15	.02	T.	.02									.52	.06		.03				.05	.02		.37	.20	.01		.03					1.55
Huntington	do.	.25	.01	.09	.01	.03									.45	.01	T.	.01			T.	.10			.25	.10	T.	.27	T.					1.73
Kayford[2]	Gr. Kanawha		.40	.22					.38					.15	.45	.01	T.	.01				.10				.37		1.50	.15		.48			3.80
Lewisburg	Greenbrier	.14	.07	.04	T.	.15			.34						.30																		
Logan[2]	Guyandot	.05	.05	.20	T.	.05	.05		.18	T.				.01	.17	T.	T.	T.				.01	.04		.26	.08	.09	.28	.20					1.88
London Locks[2]†	Gr. Kanawha	T.	.31	T.		.03	.04		.06	T.				.38	.04	T.	T.	.01				.10	.09		.21	.63	.08	T.	.55					2.67
Madison[2]	Coal	.06	.04	.07	T.	.08	T.		.10						.33	T.		.03				.10	.20		.40	.41	.03		.34					2.28
Oak Hill	New		.31	.13	.01	.10	.10		.30						.45			T.				.08	.21	.09	.10	.27	.10	T.	.42					2.07
Pineville[2]	Guyandot		.25	.35	.02	.05	.06		.33	.03					.16	.02		.05	.01			.02	.15		.29	.43	.28	.06	.46					2.88
Point Pleasant[2]	Ohio	T.	.07	.10	T.	T.				T.					.18	T.		T.				.10	.11		.30	.30	.20		.61					2.89
Princeton[2]	New	T.	.19	.04	T.	.02	.04	T.	.12	T.					.50	T.	T.	T.				.17	.06		.39	.37			.02					1.68
Rainelle	Greenbrier	.25	.26	.47	.06	.27			.35	T.			T.		.25	T.	T.	.06	T.			.07	.25		.50	.53	.36	.25	.18					4.11

Continued on next page.

Daily Precipitation for March 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood[2]	Ohio	....	.12	.02	T.	.03	....	....	....	....	....	....	....	....	.50	.10	....	.01	....	....	....	T.	.07	.09	.33	.13	T.	....	.08	....	....	....	1.46
Richwood[2]	Gauley	.30	.26	.33	.14	.18	....	....	.14	....	....	....	....	....	....	....	....	.15	....	....	....	.47	.08	....	.58	.56	.16	....	.12	....	....	....	3.42
Ripley	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Spencer[2]	Litl.Kanawha	.05	.10	.30	....	.10	....	....	.13	....	....	....	....	....	.52	.03	....	T.	....	....	....	.03	T.	.22	.35	.48	.20	....	.20	....	....	....	2.71
Summersville[2]	Gauley	.12	.20	.07	....	....	.20	....	....	....	....	....	....	.20	....	....	.40	....	....	....	....	.10	.10	.06	....	.50	.10	....	....	....	....	....	....
Sutton	Elk	.13	.33	.25	T	.13	....	....	....	....	....	....	....	....	.34	.06	....	T.	....	....	....	.07	.24	.20	.37	.60	.13	.13	.13	....	....	....	3.11
Union[2]	New	.13	.39	T.	....	....	....	....	.42	T.	....	....	....	....	.18	....	....	T.	....	....	....	.04	.06	....	.13	....	.03	....	.55	....	....	....	1.93
Wayne[2]	Twelvepole	.13	.01	.12	....	.04	..	.07	.05	....	....	....	....	....	.60	.03	....	.01	.04	....	....	....	.02	....	.25	.17	.04	....	.35	....	....	....	1.93
Webster Springs	Elk	....	.25	.18	....	.24	....	....	....	....	....	....	....	....	.26	T.	....	T.	....	....	....	T.	....	.32	.50	.60	.08	....	.06	....	....	....	2.49
White Sulp'r Spgs.	Greenbrier	.19	.15	.08	....	.13	....	....	.45	....	....	....	....	....	.12	....	....	T.	....	....	....	.02	.04	....	.24	.05	.10	.11	.32	....	....	....	2.09
Williamson[2]	Big Sandy	.05	.20	.03	T.	T.	.02	....	.30	....	....	....	....	....	.37	.02	....	....	T.	....	....	.02	.11	....	.17	.36	.03	T.	.90	....	....	....	2.55
Winfield Locks[2]†	Gr. Kanawha	.01	.14	.01	T.	.03	....	....	....	....	....	....	....	....	.54	.08	....	.02	....	....	....	.12	.01	....	.30	.34	T.	T.	.21	....	....	....	1.81

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for March 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	29	29	23	28	33	40	35	36	29	33	41	50	51	55	43	30	31	33	41	47	37	34	54	49	50	27	33	35	46	44	54	38.7
	Minimum	− 7	21	11	15	17	3	23	21	14	15	2	3	11	36	26	18	18	18	10	13	30	25	22	36	24	12	16	10	24	18	14	16.7
Bluefield	Maximum	30	35	23	31	38	38	42	40	39	37	45	52	51	52	45	41	36	40	45	45	45	39	62	67	66	28	27	36	44	46	60	42.7
	Minimum	24	20	17	17	28	30	23	28	19	13	16	29	35	36	30	30	23	21	25	25	31	26	32	35	28	14	18	20	28	28	25	25.0
Brandywine	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....
Buckhannon	Maximum	39	38	25	28	39	40	40	40	36	32	43	58	56	58	41	33	34	39	47	48	40	44	63	62	62	26	31	39	54	51	63	43.5
	Minimum	10	23	20	21	17	15	16	26	23	24	14	17	23	39	27	24	21	20	20	19	25	28	31	36	26	17	20	14	31	22	19	22.2
Cairo	Maximum	38	36	29	32	41	45	49	40	39	37	48	53	47	43	42	37	37	44	48	52	52	58	70	67	62	40	34	43	56	58	60	46.4
	Minimum	17	17	24	18	13	23	19	28	20	19	24	19	42	28	27	26	21	17	19	37	38	28	32	48	31	34	18	14	30	20	22	24.9
Charleston (Airport)	Maximum	42	35	29	33	45	42	45	44	36	36	51	64	53	52	39	36	39	47	54	46	44	52	72	73	49	33	33	44	61	50	70	46.7
	Minimum	27	25	24	22	30	25	19	28	20	17	17	21	31	32	29	23	23	18	26	23	37	35	31	49	27	23	21	12	32	26	22	25.6
Clarksburg[3]	Maximum	36	30	27	30	39	41	38	40	33	32	42	56	57	54	40	32	33	39	47	49	34	45	63	58	35	27	33	40	54	44	62	41.6
	Minimum	− 1	22	23	22	13	12	20	28	24	25	26	20	21	24	32	25	24	22	21	19	20	30	30	43	31	20	20	16	18	23	20	22.4
Cranberry Glades	Maximum	32	24	28	28	35	38	42	40	32	31	40	47	47	37	40	34	29	32	38	42	34	34	56	56	53	32	32	23	38	43	56	37.8
	Minimum	1	7	4	2	11	2	12	15	6	15	25	5	21	32	9	18	17	14	6	5	27	21	16	36	21	22	11	9	19	31	11	14.5
Elkins	Maximum	35	35	22	27	34	37	37	36	27	31	41	55	55	55	44	31	30	34	45	46	37	38	60	59	56	23	30	36	51	41	62	40.3
	Minimum	3	20	19	19	14	12	21	24	20	23	13	14	30	35	27	23	20	19	19	18	26	26	27	42	21	15	20	13	31	21	18	21.1
Fairmont[3]	Maximum	37	36	28	30	40	44	43	42	36	35	46	60	58	56	38	35	35	43	47	53	39	46	63	59	56	31	33	43	52	49	63	44.4
	Minimum	14	25	22	22	19	22	24	27	23	25	28	21	24	40	30	25	23	23	22	21	32	31	36	48	28	19	23	18	33	22	21	25.5
Flat Top	Maximum	26	28	18	27	37	35	44	34	27	30	46	46	38	46	41	30	29	35	39	40	40	37	61	61	57	20	25	33	47	41	54	37.8
	Minimum	20	15	12	11	23	25	19	24	14	14	− 1	19	29	32	27	18	18	15	18	15	23	22	27	40	20	11	14	12	19	21	22	19.3
Gary[3]	Maximum	38	29	28	35	42	39	45	40	35	39	51	48	58	56	51	40	39	45	52	49	49	71	72	70	37	28	31	41	57	49	68	46.2
	Minimum	10	26	20	13	14	32	24	25	20	14	15	19	25	41	27	25	27	20	23	23	25	31	28	46	32	19	19	23	25	32	23	24.1
Glenville	Maximum	40	39	38	35	43	45	48	46	45	37	48	61	64	60	49	39	35	41	53	52	45	51	69	69	64	49	40	42	57	59	69	49.4
	Minimum	17	25	23	25	15	23	20	30	32	21	19	20	23	43	30	28	25	21	22	21	36	33	30	49	28	21	26	15	35	23	21	25.8
Grafton	Maximum	39	38	27	29	36	40	37	39	32	33	44	55	59	58	41	32	33	38	45	50	38	44	63	59	55	29	32	41	52	51	61	42.9
	Minimum	5	25	21	21	9	13	16	28	20	27	24	27	23	40	28	25	18	22	26	38	27	28	26	42	29	17	24	10	33	22	18	23.6
Huntington	Maximum	37	37	32	34	44	42	50	47	40	38	53	63	55	54	49	37	45	49	55	50	41	54	71	71	70	33	33	45	61	55	68	48.8
	Minimum	27	27	24	22	28	31	21	31	23	21	20	25	33	49	31	29	28	22	29	25	37	32	39	50	33	24	29	19	36	27	26	29.0
Lewisburg	Maximum	32	31	27	36	42	40	45	45	36	40	45	52	46	50	50	39	35	40	46	47	45	45	70	66	63	27	30	40	55	49	63	44.4
	Minimum	17	20	17	17	26	22	12	26	11	13	9	18	19	35	27	25	21	19	20	18	31	27	23	42	25	15	18	20	23	23	20	21.3
Logan[3]	Maximum	40	30	29	36	39	41	46	46	38	43	53	62	55	53	41	36	40	48	55	48	48	56	73	74	40	32	32	47	62	51	72	47.4
	Minimum	17	24	24	19	21	32	25	25	26	20	21	22	27	47	31	27	30	23	23	26	27	28	32	37	34	25	24	19	20	31	26	26.2
Madison[3]	Maximum	38	40	29	34	40	40	44	45	37	39	51	61	55	53	41	36	40	48	55	48	48	56	73	74	40	32	32	47	62	51	64	47.1
	Minimum	17	24	23	18	26	29	20	22	20	17	18	20	25	42	28	28	25	20	23	22	27	34	31	47	33	22	22	12	19	27	23	24.6
Mannington	Maximum	38	37	29	33	43	43	42	42	41	37	49	59	59	55	42	38	35	41	49	50	39	48	63	63	55	34	34	44	52	51	64	45.5
	Minimum	8	26	21	20	7	16	18	25	18	20	26	16	19	40	28	24	17	20	17	16	28	30	27	47	27	18	22	11	33	18	16	21.9
Martinsburg	Maximum	31	33	31	36	40	43	42	38	38	41	46	51	45	64	55	40	39	40	44	50	48	44	66	60	50	32	40	46	55	47	55	44.8
	Minimum	11	27	26	25	28	23	30	27	25	27	20	22	22	40	32	29	25	22	21	20	33	30	30	45	31	25	26	24	27	27	19	26.4
Middlebourne	Maximum	39	34	31	33	40	45	43	42	37	40	48	58	55	52	41	33	36	41	52	47	41	48	*59*	*61*	37	30	35	44	54	44	63	44.0
	Minimum	12	29	24	25	9	21	22	27	22	22	28	21	24	49	34	26	21	21	22	23	23	32	*35*	*40*	32	22	25	17	34	20	20	25.2
Morgantown	Maximum	33	33	21	26	32	35	38	36	34	34	41	53	56	55	41	28	29	36	45	47	41	40	55	59	56	30	35	45	53	50	63	41.3
	Minimum	16	10	17	17	22	23	25	26	24	26	30	27	38	41	28	23	24	24	27	29	30	32	35	49	28	20	27	20	35	23	20	26.3
New Martinsville	Maximum	34	38	32	35	43	44	42	42	38	39	49	62	53	56	41	34	37	42	52	48	40	50	63	63	55	35	35	47	58	53	65	46.0
	Minimum	16	25	23	22	16	23	25	26	24	23	26	21	24	40	28	23	18	22	23	23	32	31	34	48	28	20	24	18	33	21	22	25.2
Parkersburg	Maximum	37	35	30	33	43	42	38	40	37	37	46	60	53	52	40	35	37	45	52	42	41	51	69	61	40	31	35	45	56	49	64	44.4
	Minimum	24	26	24	25	22	25	26	27	26	26	23	27	35	40	27	27	26	24	30	27	35	32	40	40	26	21	26	23	33	25	26	27.9
Petersburg	Maximum	33	36	31	37	41	44	44	42	37	42	47	57	51	65	57	43	38	41	49	52	47	43	70	62	58	30	39	45	60	48	64	46.9
	Minimum	11	24	24	24	24	19	21	27	24	23	16	18	22	38	31	28	26	19	20	18	26	31	32	48	25	21	25	21	33	23	18	24.5
Point Pleasant	Maximum	39	37	31	35	43	43	43	43	44	49	48	59	60	54	43	40	42	47	53	52	42	52	70	69	69	37	34	46	60	57	66	48.6
	Minimum	27	27	24	22	25	29	23	29	22	23	20	25	31	41	29	29	27	22	28	24	38	32	40	49	32	24	26	16	37	24	26	28.1
Ravenelle	Maximum	31	28	22	28	40	38	44	38	34	33	46	49	45	49	45	31	32	39	42	44	43	44	66	66	66	26	30	39	59	59	62	42.5
	Minimum	20	19	14	17	25	21	9	28	19	20	4	13	33	25	25	23	20	14	19	18	32	26	23	40	25	15	19	19	18	23	19	20.8
Spencer[3]	Maximum	38	29	30	32	43	41	43	43	37	54	41	61	56	52	39	34	39	45	52	49	40	51	70	65	38	30	32	44	58	49	66	45.2
	Minimum	18	23	20	20	21	23	16	27	18	16	16	21	31	38	32	26	22	16	21	20	35	30	30	47	28	19	24	8	17	21	19	23.3
Summersville[3]	Maximum	25	26	30	43	38	41	38	34	31	46	42	50	53	40	29	28	39	47	46	39	50	64	65	37	28	31	43	42	44	64	66	41.9
	Minimum	21	17	17	19	16	2	20	13	24	6	27	13	13	25	22	10	15	19	16	29	25	23	42	25	15	19	10	22	21	17	31	19.2
Sutton	Maximum	40	40	32	32	44	44	42	44	44	47	51	61	61	57	57	42	36	43	51	51	48	48	69	69	67	38	30	44	57	57	68	48.7
	Minimum	16	26	22	24	23	21	17	28	20	20	20	18	22	39	29	28	23	18	21	20	20	22	28	42	29	21	27	14	30	26	19	23.6
Wardensville[3]	Maximum	30	35	31	36	40	44	43	37	38	40	45	53	55	63	57	42	38	40	49	48	41	43	67	62	38	32	37	45	57	46	60	44.7
	Minimum	4	16	23	23	24	12	30	26	22	22	16	17	19	32	26	30	22	24	16	23	15	27	24	43	36	22	21	21	20	27	15	22.5
Weston	Maximum	38	36	29	32	39	42	40	41	38	36	48	58	59	58	52	38	35	42	50	52	50	46	64	60	54	35	34	46	55	50	68	46.0
	Minimum	19	29	24	22	16	24	22	26	25	26	20	20	24	50	33	28	24	22	28	20	34	32	41	50	32	20	23	16	34	24	21	26.7
Wheeling[3]	Maximum	37	31	30	35	41	40	39	39	36	37	45	58	52	51	37	34	35	40	47	44	40	47	58	56	35	30	34	44	53	45	56	42.1
	Minimum	15	23	24	23	20	23	29	24	24	27	25	24	24	27	30	25	22	23	25	24	27	32	33	45	30	22	22	19	25	24	26	25.4
White Sulphur Spgs.	Maximum	35	34	30	32	40	44	42	45	48	40	48	53	52	58	54	48	35	40	45	50	47	49	68	68	70	29	30	41	57	56	62	46.8
	Minimum	18	23	19	19	28	21	14	28	20	18	10	11	23	36	27	26	23	21	14	11	32	29	21	40	26	18	22	21	23	21	18	22.0
Williamson[3]	Maximum	40	30	30	38	42	41	47	45	38	45	53	65	58	52	40	38	39	50	56	47	55	57	76	76	40	33	33	45	64	54	74	48.4
	Minimum	17	29	24	21	22	33	26	26	22	20	20	22	25	45	29	25	27	22	23	24	24	29	30	33	35	23	23	19	18	32	25	25.6

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—7-14-47—1050)

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

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VOL. LV APRIL 1947 No. 4

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GENERAL SUMMARY

The mean temperature was 55.7° which was 3.8° above normal. The 1st, 5th, 6th, 11th, 19th and 23d were unusually warm while the 25th and 28th were quite cold. Frost on the 28th was reported quite generally but damage was not believed to be serious.

Precipitation averaged 2.11 inches which was 1.38 inches below normal. For the entire State, the amount received was 60 percent of the normal amount. There were seven Aprils of record that were drier. However, the southern division averaged but 55 percent of normal which was insufficient for a normal planting season. It was the fourth driest April of record in this division.

In general, the season was about three weeks late at the beginning of the month and did not catch up any lost time during the month. Winter grains made fairly good growth all month. Unfavorable weather during planting time caused oat seeding to be below previously expressed intentions. On the 20th, peaches were in bloom and apples were beginning to bloom during the last few days of the month. Frost did some damage to fruit on the 28th but not to a serious extent. Commercial potatoes were planted about two or three weeks late. Early vegetables were being planted by the second decade. At the end of the month some corn had been planted but many farmers were still plowing while most of them were still preparing the seedbed. Pastures furnished but little sustenance for cattle during the month and meadows were very slow about starting growth. Trees and bushes leafed out at an abnormally slow rate with the oaks hardly budded at the end of the month.—*C.L.W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 55.7°, or 3.8° above the normal. The mean for the northeastern panhandle division was 54.5°; for the northern division, 54.8°; and for the southern division, 56.9°. The highest monthly mean was 61.0° at Charleston; and the lowest, 49.8° at Bayard and Cranberry Glades. The highest temperature was 92° at Charleston on the 5th and 23d; and the lowest, 17° at McNeill on the 2d and at Canaan Valley on the 28th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 99 stations, was 2.11 inches, or 1.38 inches below the normal. In the northeastern panhandle division, the average was 2.00 inches; in the northern division, 2.38 inches; and in the southern division, 1.89 inches. The greatest monthly precipitation was 3.60 inches at Canaan Valley, and the least, .32 inches at Ireland. The greatest amount in any 24 consecutive hours was 2.00 inches at Wardensville on the 21st-22d. The average monthly snowfall was a trace, or 1.7 inches below normal. The greatest monthly snowfall was a trace at Canaan Valley, Flat Top, and Kumbrabow State Forest. The average number of days with 0.01 inch or more of precipitation was 11.

Erratum: September 1946, Page 34, Dam 20: Precipitation departure —1.07.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	1	2	2	..	..	..	..	1	2	..	..	..	2	11	1	1	..	..	..	..	1	1	..	1	..	1	..	..	..	..
Frosts, killing	..	..	..	..	..	..	..	11	..	3	..	..	1	..	2	..	..	7	2	..	..	..	..	..	1	1	5	31	21	..	..
Gales	1	..	1	1	12	31	18	3	3	4	18	10	..	..	..	8	1	9	1	1	..	..	..	..	1	1	2	14	..	2	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..
Halos, lunar	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	1	..	..	1	..	..	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	1	8	3	..	..	1	1	1	..	1	1	..	..	..	2	2	1	..	..	..	1	..	..	..	..	3	..	..	..	1	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Columbus, Ohio	30.45*	13*	29.57*	16*	11.8	55	sw.	6†	81	63	73	52	392
Elkins*	30.39	7	29.57	16	9.4	34	w.	6†	78	46	60	54	371
Huntington*	30.43	13	29.59	16	.....	24	sw.	11	75	46	58	....	235
Parkersburg	30.43	13	29.57	16	7.8	25	nw.	29	70	45	55	47	273
Petersburg, W.Va.*	30.44	10	29.53	16	.....	28	.....	30	72	44	55	....	294
Pittsburgh, Pa*	30.45	13	29.51	16	12.4	56	w.	6	74	54	56	44	394

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	52.0	.....	.....	1.64	3.08	2.50	2.81	.....	.....	.....	.....	.....
1892	50.6	87	17	3.16	4.31	4.83	4.28	.....	7	.....	.....	.....
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	.....	9	11	9	10
1896	**57.7**	95	12	1.56	2.20	2.06	2.06	.....	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	.....	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	.....	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	0.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	**9**
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	0.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	0.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	0.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	0.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	0.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	0.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	0.1	11	10	9	11
1915	55.5	**101**	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	0.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	0.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	0.1	9	13	7	10
1923	50.1	88	**−4**	2.66	3.85	3.29	3.45	0.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	**101**	6	3.01	2.51	3.18	2.89	0.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	0.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	0.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	0.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	0.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	0.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	0.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	0.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
1942	54.7	97	13	1.63	2.40	1.30	1.86	0.5	7	15	8	7
1943	47.8	85	10	2.92	4.18	3.74	3.84	3.5	13	9	10	11
1944	50.7	90	11	3.10	5.18	4.07	4.43	2.4	15	8	10	12
1945	55.5	92	12	2.90	3.79	2.99	3.37	T.	10	11	11	8
1946	53.2	92	16	1.22	1.87	2.59	1.99	0.4	9	11	9	10
1947	55.7	92	17	2.00	2.38	1.89	2.11	T.	11	11	9	10
Period	51.9	101	−4	3.03	3.68	3.41	3.49	1.7	11	11	8	11

Climatological Data for April 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	49.8	+6.1	80	5†	20	29	3.24	−0.60	0.61	25	0	14	10	11	9	w.	Howard R. Fulk
Berkley Springs	Morgan	640	3	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Brandywine	Pendleton	1,586	31	56.5	+6.6	82	20	24	9	1.95	−0.72	0.75	30	0	5	.	.....	.....	n.	Clifford I. Dickenson.
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	2.30	−0.95	0.43	3	0	10	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	55.6	.....	87	30	27	29	1.85	.....	0.38	12	0	7	8	15	7	e.	H. W. Prettyman
Kearneysville	Jefferson	548	17	55.4	+4.1	84	6	28	29	1.78	−1.50	0.54	14	0	9	7	16	7	w.	University Exper. Station
Martinsburg	Berkeley	545	55	53.6	+2.0	84	30	29	1†	1.73	−1.38	0.39	26	0	10	10	10	10	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	13	53.2	+1.4	87	20	17	2	1.47	−1.49	0.32	25	0	8	10	12	8	w.	R. E. Saville
Petersburg	Grant	1,029	8	55.8	.....	88	5	26	29	1.80	.....	0.52	25	0	9	5	9	16	s.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	55.5	+5.1	86	5	29	28	1.77	−1.21	0.48	25	0	12	13	5	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	46	57.2	+5.5	87	5	26	28†	2.14	−0.83	0.67	30	0	13	13	14	3	. .	Marion W. Haines
Stony River Dam	Grant	3,300	15	.....	.....	.....	.....	.....	.....	3.05	−0.70	0.60	2	0	10	3	7	20	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	52.4	+2.8	82	21	24	8†	3.02	+0.51	2.00	22	0	8	12	11	7	sw.	Reymann Memorial Farm
Means aud Extremes		.....	...	**54.5**	.....	**88**	**5**	**17**	**2**	**2.00**	.....	**2.00**	**22**	**0**	**9**	**9**	**11**	**10**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	2.21	−1.59	0.92	30	0	11	3	19	8	w.	L. Esie Bond
Benson	Harrison	1,080	22	57.4	+4.8	88	5†	21	28	1.54	−1.67	0.65	30	0	8	11	14	5	.....	R. D. Marts
Bens Run	Pleasants	652	46	56.9	+4.1	86	5	28	28	2.88	−0.68	0.90	30	0	12	19	7	4	.....	Mrs. C. W. Rea
Brandonville	Prestou	1,798	6	53.0	.....	82	5	21	28	2.27	.....	0.77	25	0	8	..	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	57.4	+5.1	89	5	23	8	1.39	−1.97	0.94	30	0	5	14	9	7	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	56.0	+4.9	85	5	23	3†	2.49	−1.40	0.83	30	0	13	11	12	7	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	57.5	+3.5	87	5	19	1	2.68	−0.78	0.70	30	0	11	20	6	4	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	3	50.2	.....	78	20	17	28	3.60	.....	0.69	30	T.	12	7	20	3	w.	George B. Thompson
Clarksburg	Harrisou	1,015	24	52.9	+1.7	86	5	20	1	1.37	−2.00	0.38	29	0	11	16	7	7	w.	Clarksburg Water Board
Creston	Wirt	640	46	58.5	+5.1	89	5	21	8	1.46	−2.20	0.54	30	0	8	8	14	8	w.	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	54.9	.....	87	5	25	1	1.63	−1.74	0.60	25	0	12	16	5	9	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	3.15	−0.17	0.86	25	0	14	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	.....	.....	.....	.....	.....	1.48	−1.81	0.53	25	0	14	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	3.10	−0.08	0.65	30	0	15	.....	.....	.....	.	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	3.21	−0.03	0.87	30	0	13	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	52.8	+5.4	83	20	23	8	2.58	−1.04	0.76	30	0	12	6	7	17	s.	U. S. Weatber Bureau
Fairmont	Marion	1,023	55	56.8	+5.0	87	5	24	1	1.69	−1.58	0.61	30	0	9	13	8	9	sw.	Monongaheia Power Co.
Glenville	Gilmer	738	59	60.2	+6.3	90	5†	26	28	1.75	−2.01	0.81	16	0	6	11	11	8	w.	Howard R. Brannon
Grafton	Taylor	1,100	53	54.2	+2.7	87	5	21	28	1.70	−1.59	0.38	2†	0	12	11	7	12	sw.	William D. Myers
Harrison County Airport	Harrison	1,188	7	54.0	.....	85	5	25	8†	1.87	....	0.41	2	0	12	6	11	13	sw.	U. S. Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	.....	.....	.....	2.92	−2.09	0.70	2	0	14	10	12	8	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	2.08	−1.57	0.89	30	0	9	..	.....	.....	.....	Reta Goldsmith
Mannington, 1½ mi. NW	Marion	974	45	54.4	+3.3	87	5	20	8	1.99	−1.71	0.50	25	0	14	10	7	13	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	6	55.5	.....	86	5	25	28	2.40	....	0.51	2	0	12	10	7	13	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,250	71	56.4	+4.7	88	23	27	8†	1.99	−1.16	0.75	25	0	8	..	.....	.....	.....	State Dairy Farm
New Cumberland	Hancock	671	52	52.8	+3.6	82	5	25	28	2.70	−0.58	0.90	25	0	16	10	6	14	nw.	C. O. Valentine
New Martinsville	Wetzel	637	53	56.5	+3.4	85	5†	25	28	2.64	−0.86	0.58	25	0	9	13	9	8	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	56.3	+2.9	85	5	30	8	3.38	+0.19	1.09	30	0	16	4	10	16	nw.	Section Center
Parsons	Tucker	1,649	48	54.7	−5.5	84	5	25	8†	3.43	−0.33	1.00	30	0	13	6	12	12	nw.	D. A. Criver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	1.87	−1.85	0.40	30	0	10	.....	.....	.....	.....	Mrs. Maxine Leacb
Pickens	Randolph	2,760	57	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	1.75	−1.83	0.75	30	0	8	19	6	5	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	51.5	.....	85	23	21	1	2.10	−2.09	0.61	25	0	8	15	1	14	se.	W. H. Bolyard
Saint Marys	Pleasants	625	36	.....	.....	.....	.....	.....	.....	2.64	−0.78	0.46	2	0	13	.....	.....	.....	.....	Edward Hughes
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	3.40	−0.78	0.87	3	T.	9	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	58.4	+5.3	88	5†	25	28	2.07	−1.34	0.87	30	0	10	10	17	3	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	52.8	+3.2	84	5	20	28	3.38	+0.22	1.05	25	0	9	12	7	11	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	2.20	−1.62	0.65	30	0	10	.....	.....	.....	.....	Scotland G. Highlaud
Weston	Lewis	1,026	56	59.4	+6.6	88	5	28	8	1.96	−1.55	0.58	30	0	10	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	51.9	+0.3	82	23	27	28	2.75	−0.48	0.94	25	0	13	6	11	13	sw.	Lockmaster
Means and Extremes		.....	...	**54.8**	.....	**90**	**5†**	**17**	**28**	**2.38**	....	**1.09**	**30**	**T.**	**11**	**11**	**9**	**10**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	.....	.....	.....	.....	.....	2.78	−0.44	0.62	30	0	10	10	12	8	sw.	H. S. Sutton
Athens	Mercer	2,600	7	54.7	.....	79	20	30	18	1.55	.....	0.33	2	0	12	12	11	7	sw.	Concord College
Bluefield	Mercer	2,558	52	58.0	+4.4	77	30	33	8	1.80	−1.31	0.49	21	0	11	15	8	7	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	56.7	.....	87	20	24	1	1 22	.....	0.36	21	0	10	8	11	11	.....	Willard F. Russell
Charleston	Kanawha	615	60	61.0	+4.7	92	5†	32	8	1.65	−2.22	0.59	9	0	10	17	3	10	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	58.3	....	89	5	29	8	2.51	.....	0.72	9	0	12	5	11	14	w.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	49.8	.....	76	20	20	28	1.89	.....	0.60	2	0	12	19	7	4	nw.	Department of Justice
Flat Top	Mercer	3,270	9	52.8	.....	77	5	27	8	1.60	.....	0.45	2	T.	11	3	11	16	sw.	U. S. Airway Station
Gary	McDowell	1,426	30	57.7	+4.3	85	5	26	1	1.83	−1.66	0.36	2	0	12	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	57.4	.....	89	5	29	8	2.01	.....	0.68	9	0	10	18	6	6	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	58.0	+4.8	90	20	25	1	1.74	−1.46	0.61	21	0	10	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	60.4	+5.8	87	5	34	8	2.23	−1.28	0.43	16	0	11	11	13	6	nw.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	.....	.....	.....	.....	.....	1.31	−2.75	0.61	16	0	8	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	55.0	+4.5	82	20	27	8†	1.73	−1.59	0.39	14	0	10	.....	.....	.....	.....	Prof. H. B. Graybill
Logan	Logan	700	34	60.6	+3.3	90	5	28	1	1.66	−2.49	0.41	6	0	13	18	7	5	.....	J. W. Ruff
London Locks	Kanawha	623	12	57.4	.....	88	5	24	1	1.44	−1.87	0.38	21	0	10	.....	.....	..	w.	Lockmaster
Madison	Boone	675	26	59.2	+4.9	89	5	29	1	1.72	−2.12	0.39	9	0	8	11	15	4	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	54.6	.....	83	5	23	1	1.49	.....	0.30	15†	0	12	9	4	17	.....	M. H. Martin
Pineville	Wyoming	1,350	5	55.4	.....	85	5	21	18	1.84	.....	0.34	16	0	11	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	60.0	+5.1	86	5†	31	8†	3.08	−0.23	0.54	21	0	11	12	4	14	sw.	E. C. Winger
Raineile	Greenbrier	2,424	16	55.3	+7.1	84	29	24	18	2.32	−1.87	0.46	16	0	14	14	5	11	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	58.0	+4.2	85	6	26	28	2.56	−0.60	0.69	30	0	12	9	4	17	nw.	Lockmaster
Richwood	Nicholas	2,193	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richwood Water Co.
Ripley	Jackson	610	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spencer	Roane	789	48	.....	.....	.....	.....	.....	.....	1.46	−1.93	0.28	15	0	12	4	20	6	.....	A. M. McKowu
Summersville	Nicholas	1,900	11	53.2	....	84	5†	23	8	.....	.....	.....	.....	0	....	9	17	4	.....	A. E. Dorsey
Sutton	Braxton	850	44	59.0	+6.2	89	5†	27	8	1.75	−2.10	0 48	9	0	9	...	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	43	53.4	+1.6	81	20	24	1	1.53	−1.36	0.44	2	0	12	17	2	11	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	59.0	.....	87	20	29	8	2.33	.....	0.37	16	0	11	16	6	8	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	55.7	+4.3	84	20	24	18	2.00	−1.28	0.51	11	0	8	3	13	14	w.	Greenbrier Hotel
Williamson	Mingo	673	46	60.3	+4.8	89	5†	26	1	1 64	−2.04	0.48	6	0	11	17	6	7	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	56.0	.....	87	5	24	1	1.47	.....	0.39	9	0	13	9	6	15	w.	Lockmaster
Means and Extremes		.....	...	**56.9**	.....	**92**	**5†**	**21**	**8†**	**1.89**	.....	**0.72**	**9**	**T.**	**11**	**11**	**9**	**10**	w.	
State Averages and Extremes		.....	...	**55.7**	**+3.8**	**92**	**5†**	**17**	**2†**	**2.11**	**−1.38**	**2.00**	**22**	**T.**	**11**	**11**	**9**	**10**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for April 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	T.	.43	.22	.04		.03			.30		.15	T.		.05		.31					.36				.44	.17	.10	.05		.59		3.24
Berkeley Spings	do.																																
Brandywine	do.		T.			T.				T.			T.		.40		.15					.40											
Brushy Run[2]	do.			.05		T.				.13			.07			.29	T.	.12				.26				.25		T.		.75		1.95
Harpers Ferry[3]	do.			.43		.05				.11			.20			.29	.13	.41				.15	.40			T.	.13						1.48
Inwood	do.		.30							T.			.38		.25		.20					.22					.25						2.30
Kearneysville	do.		.16	.02						.10			.30		.54		.18					.24				.04	.20						1.85
Knobly Mountain[2]†	do.		T.	.34						.17			T.			.13		.15				.22	.01			.35	.22						1.78
Martinsburg[4]	do.	T.	.13	T.	T.		.01		T.	.13		.23			.20		.17					.24	T.			.23	.16	T.		T.	.23		1.59
McNeill†	do.		.10			T.				.14					.13		.14					.24				.32	.25				.15		1.73
Petersburg	do.	T.	.02	T.	T.	T.		.03		.10		.09			.17		.09					.32				.52	T.	T.		T.	.46		1.47
Piedmont	do.		.30			.05				.13		.01	.07		.02		.13					.22				.25							1.80
Romney	do.									.18			.18		.10	.04	.09					.25	.01	.01		.48	.21		.08		.18		1.77
Springfield	do.			.30						.10			.05			.07		.09				.24				.27	.31	.01	.02		.67		2.14
Spruce Knob[2]†	do.		.12	.27		T.	T.			.32	.13	T.	.27			.34	.22	.36	.19			.34	.23			.04	.36						1.25
Stoney River Dam[2]†	do.		.60	.45						.27			.15			.10		.20				.33				.14	.38		T.				3.31
Wardensville[2]	do.		T.	.14						.12			.06		T.	.29						.18	2.00	T.		.30	.50				.15		3.05
Northern Division																										.05	.18						3.02
Aberdeen†	West Fork		.13	.03			.07			.21	T.		.08				.37		T.			.05				.07	.19		.09		.92		2.21
Belington[2]	Tygart		.06	.29			.02			.30	T.		.01	T.		.01		.30	T.			.07				.01	.37		.19		.54		2.17
Benson†	West Fork		.20							.16							.20					.08				.08	.12		.05		.65		1.54
Brandonville[2]	Ohio	T.	.40		.02	.06	.20			.20		T.	.10				.15					.12			.06	.64		.03		T.	.90		2.88
Brownsville†	Cheat		.56	.16		.04	.07			T.							.35	T.				T.				.77	.17		.15				2.27
Buckhannon	West Fork			.15								T.										.14				.04			.12		.94		1.39
Cairo	Tygart		.10	.06		T.				.31	T.	.11			.02	T.	.41	.01				.08	T.			.10	.28	.04	.14		.83		2.49
Canaan Valley	Litl. Kanawha		.42	.12	T.	.04	.14			.21		T.				.34						.20				.19	.05		.02		.70		2.68
Clarksburg[2]	Cheat		.41	.27			.05			.35			.18		.10		.31		T.			.38				.36	.30		.20		.69		3.60
Crawford	West Fork		.10	.21		.03	.09			.13								.15				.05				.10	.10		.03		.38		1.37
Creston[2]	do.		.16	.07			.15			.40		.09			T.		.38					.15				.12	.12		.02		.64		2.30
Dailey[2]†	Litl. Kanawha		T.	.08	T.	.11				.25			T.				T.	.19				.12	.10			T.	.07		T.		.54		1.46
Dam 10, Mon. R.[2]†	Tygart		T.	.24	T.	T.	.04	T.		.31	T.		.08	T.		.04	T.	.23	T.			.16				.09	.40		.15		.08		1.82
Dam 13, O. R.[2]†	Monongahela		.12	.17		.04	.03			.07			T.				T.	.30															
Dam 15, Mon. R.[2]†	Ohio		.28	.18		.03	.25			.25								.33				.04	.05			.43	.17		.10		.11		1.63
Dam 19, O. R.[2]†	Monongahela		.08	.20	.01	.03	.03			.05			.01				.27	.30			.01	.05	.11			.39	.86		.09		.08		3.15
Dam 20, O. R.[2]†	Ohio		.35	.08	T.	.14	.26			.25			.01					.33				.03	.02			.34	.19		.03		.13		1.48
Elk†	do.		.45	.08		.15	.30			.26			.05				.40	.02			.01	.17	.22			.33	.16		.05		.65		3.10
Elkins[1]‡	West Fork			.20						.50		.11					.45	.04				.15	.24			.12	.05		T.		.87		3.21
Fairmont[2]	Tygart	T.	.24	T.		T.	.04		.12	.18		.08	T.		.02		.36									.23			.18		.98		2.56
Glenville[2]	Monongahela		.20	.07		.03				.07			T.				.26	T.				.14			T.	.49	T.	.23		.11	.67		2.58
Grafton	Litl. Kanawha		.09										T.				.22					.04				.40	T.	.05			.61		1.69
Hackers Creek†	Tygart		.38	.03	.04		.06			.14		.04					.81					.17				.07	.15		T.		.46		1.75
Half[2]	West Fork		.35				.18			.19		.02					.23					.05				.23	.08	.04	T.		.38		1.70
Harrison Co. Arpt[1]	Tygart		.17	T.			.04			.26			.09		T.		.24									.23			.18		.98		2.14
Hastings	West Fork	T.	.41	T.	T.	.05	.14		.05	.07		T.			T.		.29					.11				.04	.22		.13		.43		1.78
Horner	Ohio		.70	.01		.08	.22			.12					.04		.24		T.	T.		.08			.01	.27		.01		.32	.22		1.87
Ireland	West Fork														.12		.30	.02				.10				.65	.12	.03	.07		.46		2.92
Jane Lew	do.		.08	.18						•	.13				.03	T.		.35				.30						.15			.75		
Kumbrabow St. For.†	do.		.15				.13			.17		T.	T.				.28					.16			T.	.03	.26		.08		.21		1.32
Mannington	[2]Tygart		.31		.01		.10			.64			.11		.09		.57	.06				.13	.01			.33	.20		.07		.89		2.08
Middlebourne[2]	Monongahela		.39	.02		.09	.06			.08			.01		.07		.24					.10			.03	.50	.02	.06			.32		3.30
Midvale[2]†	Middle Is. Crk.		.51	.11		.13	.18			.14			.03					.37				.05	.04			.48	.13		T.		.23		1.99
Morgantown	Tygart		.05	.35		T.	.09			.35			.05			.02	.48	T.				.06	T.			.02	.35		.18		.50		2.40
Mt. Clare	Monongahela		.29								T.		.10												.12	.75	.10	.08			.30		2.50
New Cumberland	West Fork		.10	.40		.01	.10			.14							.25								T.	.13	.09	.05	T.		.65		1.99
New Martinsville	Ohio	T.	.27		.01	.04	.23		T.	.19		.01					.20					.04				.08	.90	.06	.05		.18	.02		1.91
Parkersburg[1]‡	do.		.49		T.		.26			.16		T.	.02		T.		.27	.01		.14		.24				.17		.08	.58		.55		2.70
Parsons	do.	.02	.41		.06	.02	.25		.21	.02		T.	.02		T.	T.	.33					.17			.08	.58		T.			.55		2.64
Philippi[2]	Cheat		.30	.19			.06			.46	.01		.12		.04	T.	.40	T.	T.	T.	.05	.25			.05	.39		.02		.64	.57		3.38
Pickens	Tygart		T.	.36		T.	.07			.21	T.		.09			T.	.41	T.				.14				.23	.35	T.	.12		1.00		3.43
Roanoke	do.																					.05				.05	.24		.08		.40		1.87
Rockford†	West Fork		.03							•	•																						
Rowlesburg[2]	do.		.22							.30	T.	T.			T.		.43					.27					.20	.07			.75		1.75
Saint Marys[2]	Cheat		T.	.49		T.	T.			.28	T.		.06			T.	.28					.09	T.			.29		T.			.70		1.88
Salem	Ohio			.46	.11	.08	.25			.20			.06					.30	.04		.06	T.	T.			.26	.35		.15		.21		2.10
Sand Fork	West Fork		.29	.02						.24							.17					.01				.45	.19				.43		2.64
Thomas[2]	Litl. Kanawha		.12	.01		T.	.13			.34			.10	T.	T.		.40	.02		.19		.05				.20	.03	.03			.49		1.52
Valley Chapel	Cheat		T.	.87	T.					.41	.09		.10	T.				.45	T.			.18				T.	.79		.17		.34		3.40
Valley Head[2]	West Fork		.23	.02			.20			.14	T.						.20					.16				.05	.17		.03		.87		2.07
Vandalia†	Tygart		T.	.19	T.		.13			.35	T.		.01		T.	.19	T.	.32	T.			.12	.02			T.	.52		.20		.02		2.07
Wellsburg (near)	West Fork			.05				.31			.08						.28												.28		.78		1.78
West Milford	Ohio		.46				.31			.16							.66					.30				1.05	.19	.06			.19		3.38
Weston[2]	West Fork		.30	.16			.20			.15							.20					.15				.16	.15		.08		.65		2.20
Wheeling (Dam 12)[2]	do.			.19			.10	T.		.19			.03					.39				.10				.04	.23		.11		.58		1.96
Southern Division	Ohio		.30	.11		.08	.14			.19			T.				.14	.21	T.		T.	.04	.17			.34	.94		.07		.02		2.75
Arbovale	Greenbrier		.31	T.			.10			.31		.15				.44	.29					.27				T.	.20		.09		.62		2.78
Athens	New		.33			T.	.08		.05	.09		.20			.32		.10	T.				.17	.04				.10		.05		.02		1.55
Bluefield	do.		.30			.01	.05			.09		.01	.05		.31		.15					.49	.16					.18					1.80
Bluestone Dam	do.		.26	.07		T.	.09			.12			.05		.14	.12		T.	T.			.06	.30				.01		T.		T.		1.22
Camden-on-Gauley[2]	Gauley		.16	.04			.27			.36	.03		.07				.21					.02					.26		.10				1.52
Charleston	Gr. Kanawha		T.			.02	.12			.59				T.		T.	.37	T.				.33	.09			.02	.06		.03		.02		1.65
Charleston Airport[1]	do.		.03		.07	T.	.13		.42	.30		T.			T.		.28	T.		.12	.39	T.		T.	.25		.05		.10	.37		2.51
Clay	Elk									.03			.03	.27					.25	1.12		.07			.16	.01	.03				.06		2.08
Dalwood	Big Sandy		.32			.03	.23		.06	.08		.03			.24		.19					.54					.34						2.06
Cranberry Glades	Cranberry		.60	.10		.02	.30			.09		.09			.47		.01					.01					.02		.15		.03		1.89
Flat Top[4]	New		.45		T.	T.	.07		.05	.12		.02			.32		.17	T.				.10	.01		T.	.28				.01		1.60
Gary[2]	Big Sandy	T.	.36	.03		T.	.15			.12	T.		.10		.21	.06	.13	.03				.20	.17				.27						1.83
Hamlin	Mud			.05		.08	.25			.68							.33					.12	.11			.13	.21				.05		2.01
Hinton[2]	New		.27	.09		T.	.09			.15					.18	.11		.13				.06	.61				.05						1.74
Huntington	Ohio		.21			.16	.35			.42		T.					.50	.01				.17	.11			.03	.10		.03		.24		2.33
Kayford[2]	do.		.07		.19	.01	.26		T.	.40		.01			T.		.43			T.		.21			T.	.27		T.		.10	.28		2.23
Lewisburg	Gr. Kanawha		•			•	.05			.24							.61					.32					.06		.03				1.31
Logan[3]	Greenbrier		.29			.03			T.	.28		.14	.01		.39		.19					.11					.09				.20		1.73
London Locks[2]†	Guyandot		T.	.02		.03	.41			.22		T.	.02		.02	.06	.35	.02	T.			.11	.12				.27		.01		T.		1.66
Madison[2]	Gr. Kanawha		.03	T.		.02	.27			.36			T.		T.	.04	T.	.14				.33	.05			T.	.17		T.		.03		1.44
Oak Hill	Coal		T.				.31			.39							.20	.24				.20			.11	.21				.06		1.72
Parkneville[2]	New			.10		.01	.08			.21			.03		.01	.30		.18				.18	.06			.30		.03				1.49
Point Pleasant[2]	Guyandot		.13	.09		.05	.26			.19	T.	.05			.12	.18		.34				.12	T				.31			T.		1.84
Princeton[2]	Ohio		.52			.35	.36			.37			.01		T.		.37					.29	.25		.06	T.	.02				.48		3.08
Rainelle	New		.25	.10			.01			.15			.09		.10	.18		.07				.16	.06				.08						1.25
	Greenbrier		.29			.08	.18			.31		.07	.01		.30		.46	.02	.05			.10	.01			.20	.24						2.32

Continued on next page.

Daily Precipitation for April 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio		.23	.22		.15	.20			.36					T.		.24	.03				.15	.22			.03	.04		T.		.69		2.56
Richwood [2]	Gauley			.32						.34																							
Ripley	Ohio																				.15	.12				T.	.16		.02	.18	.18		1.46
Spencer [2]	Litl.Kanawha					.06	.05			.22	.03		.01		T.	.28										.23				T.	.25		
Summersville [2]	Gauley		.28										.05				.33					.21				.05	.26						1.75
Sutton	Elk		.10			.05	.22			.48								.33				.10	.02				.10						1.53
Union [2]	New		.39	.05		.01	.11			.17			.24		.02	.19	T.		.13			.19	.27			.07	.21			.04			2.41
Wayne [2]	Twelvepole		.11			.20	.30			.67			.01					.32	.02							.14	.30		.18		.27		2.33
Webster Springs	Elk		.27				.22			.34		T.	.04		.08		.37					.12					.09			T.			2.00
White Sulp'r Spgs.	Greenbrier		.32			T.	.15			.24			.51		.38	T.	.18	T.				.13					.40		.02				1.64
Williamson [2]	Big Sandy		.02			.02	.48			.15			.06		.04	.10	.05					.30					.40		.02				1.64
Winfield Locks [2]†	Gr. Kauawha		T.	.06		.16	.16			.39			.03				.10	.08				.11	.09			.02	.16		.03		.08		1.47

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morniug; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * included iu the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for April 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Bayard	Maximum	63	57	52	49	80	71	62	63	50	64	75	65	68	61	69	66	55	60	71	80	66	52	72	71	59	53	64	56	76	78	...	64.3
	Minimum	27	36	32	33	33	50	37	26	40	25	51	49	29	43	30	52	33	28	34	34	36	33	30	39	42	33	35	21	20	50	...	35.4
Bluefield	Maximum	65	64	60	60	73	73	70	72	62	59	68	62	75	70	73	69	66	65	67	76	76	57	74	76	74	73	68	69	76	77	...	69.0
	Minimum	42	48	41	42	50	52	64	33	47	39	51	53	39	50	48	55	39	34	46	50	50	43	42	50	63	41	38	55	44	60	...	47.0
Brandywine	Maximum	66	65	61	52	79	77	75	62	70	65	69	74	74	77	73	62	72	69	78	82	75	75	81	76	64	70	65	77	80	80	...	71.5
	Minimum	31	47	40	41	49	57	50	47	24	26	53	46	49	44	48	49	45	29	34	37	41	36	47	48	40	30	25	25	54	52	...	41 5
Buckhannon	Maximum	69	63	59	66	85	81	67	66	60	74	74	68	66	63	74	70	57	66	74	82	75	70	81	76	79	59	68	60	79	78	...	70.3
	Minimum	31	53	23	35	55	57	43	23	42	33	57	52	32	48	32	53	36	31	37	45	52	38	40	58	48	48	38	25	28	56	...	41.6
Charleston (Airport)	Maximum	76	68	59	72	89	78	66	69	62	78	79	71	70	64	81	74	54	72	80	86	66	75	85	74	66	64	74	69	86	82	...	73.0
	Minimum	42	52	40	37	61	57	43	29	40	35	54	49	34	40	40	47	37	35	39	44	51	50	46	56	44	42	40	30	34	60	...	43 6
Clarksburg [3]	Maximum	69	64	52	64	86	74	57	65	59	76	69	77	66	63	74	70	54	67	76	82	56	71	82	74	58	61	68	63	80	75	....	68.7
	Minimum	20	33	36	32	36	55	44	26	29	32	36	53	33	35	34	35	39	37	39	41	45	37	43	49	47	39	41	28	28	31	....	37.1
Cranberry Glades...	Maximum	59	59	55	51	73	71	65	63	60	58	63	69	70	69	69	69	62	60	70	76	72	58	70	69	67	65	62	58	70	70	....	65.1
	Minimum	26	39	30	34	42	46	36	21	40	24	46	25	26	45	34	50	33	24	29	31	48	36	32	35	46	31	28	20	22	54	....	34.4
Elkins	Maximum	66	59	53	57	82	71	59	71	52	69	73	67	68	61	73	68	49	64	74	83	60	69	81	72	74	57	66	59	78	78	...	67 1
	Minimum	42	47	34	31	52	52	30	23	33	28	57	42	30	45	40	43	31	34	35	41	41	37	43	41	37	36	35	25	26	52	....	38.4
Fairmont [3]	Maximum	67	65	59	64	87	83	70	67	62	75	78	71	66	63	79	72	58	69	78	85	66	72	84	78	54	61	69	62	81	76	...	70.7
	Minimum	24	46	36	33	53	55	45	28	44	32	59	52	33	46	37	58	39	37	47	43	50	39	48	60	47	37	46	26	29	54	....	42.8
Flat Top	Maximum	61	54	54	57	77	67	63	67	50	60	65	65	72	60	70	67	58	61	71	71	66	57	70	72	71	64	63	62	73	72	....	64.8
	Minimum	36	44	33	37	46	47	44	27	41	38	48	50	37	46	40	53	35	30	42	44	43	39	37	47	50	33	37	30	34	54	..	40.9
Gary [3]	Maximum	72	61	64	72	85	76	70	78	59	73	75	72	82	64	80	74	48	70	78	83	66	70	82	79	79	63	70	69	80	79	...	72.4
	Minimum	26	38	44	44	49	54	40	33	37	35	56	50	37	53	52	55	44	28	36	39	54	50	43	47	54	42	32	37	55	49	....	43.0
Glenville	Maximum	74	69	72	70	90	90	78	69	68	69	78	77	78	75	81	80	75	72	79	87	86	77	81	87	72	65	72	69	83	84	...	76.9
	Minimum	34	52	46	32	57	60	46	27	44	42	33	54	35	49	37	59	40	34	37	42	55	45	44	58	51	41	39	26	30	56	....	43.5
Grafton	Maximum	67	64	61	63	87	75	70	67	58	76	78	69	67	62	73	71	59	67	75	82	67	68	81	79	60	60	68	61	78	77	....	69.7
	Minimum	30	45	30	33	50	54	43	24	42	23	55	50	27	43	35	55	37	29	30	39	48	38	39	50	45	38	35	21	24	47	....	38.6
Huntington	Maximum	73	71	64	69	87	86	73	64	65	81	77	71	69	63	80	75	60	73	80	83	65	69	86	82	69	67	75	69	85	79	....	73.7
	Minimum	47	53	40	39	56	59	48	34	42	39	64	50	37	52	37	55	41	43	47	47	52	50	52	62	46	41	46	36	37	58	....	47.0
Lewisburg	Maximum	66	61	63	60	76	72	69	70	61	63	70	72	72	66	75	72	66	69	76	82	80	58	76	80	75	72	71	69	77	77	....	70.5
	Minimum	29	42	36	38	45	51	47	27	46	30	52	46	32	47	44	55	38	27	35	39	39	37	37	40	51	37	32	28	33	55	....	39.5
Logan [3]	Maximum	75	71	64	74	90	78	71	74	62	78	80	75	77	63	84	76	54	74	84	88	63	79	88	80	85	63	77	75	86	85	....	75.8
	Minimum	28	45	44	41	58	56	46	34	36	38	58	53	42	50	47	49	43	33	40	43	59	53	52	55	57	45	37	40	38	46	....	45.5
Madison [3]	Maximum	75	70	60	73	89	77	69	72	60	78	80	74	74	73	82	75	54	72	80	87	63	76	85	77	82	66	75	70	84	80	....	74.4
	Minimum	29	48	41	36	55	54	46	31	39	34	58	51	38	50	48	45	41	31	38	42	56	50	51	54	56	44	36	35	35	46	....	43.9
Mannington	Maximum	67	65	57	63	87	84	72	66	61	78	77	71	66	65	77	73	56	71	78	83	66	68	83	81	52	63	70	64	80	76	...	70.7
	Minimum	27	43	35	28	50	55	41	20	43	26	50	50	26	44	28	50	37	34	35	38	50	34	42	50	45	34	37	21	24	50	....	38.2
Martinsburg	Maximum	63	60	49	50	80	82	67	59	58	65	78	76	63	55	69	73	56	70	78	78	47	52	65	77	56	93	73	60	72	84	....	65.9
	Minimum	29	44	41	30	45	61	41	31	35	32	48	55	38	47	47	52	40	35	45	38	40	37	41	40	44	41	40	30	29	60	....	41.2
Middlebourne	Maximum	69	56	55	65	86	75	52	65	62	76	78	68	67	65	76	70	55	69	77	84	58	72	83	71	50	62	69	63	80	72	....	68.3
	Minimum	34	48	37	33	56	55	43	26	45	31	60	50	31	47	32	53	40	41	39	43	54	40	45	63	45	36	45	25	28	57	....	42.7
Morgantown	Maximum	68	67	65	59	85	74	59	67	62	79	79	73	67	64	79	72	62	71	79	85	63	70	88	71	54	48	71	63	82	76	....	70.1
	Miuimum	38	47	36	41	56	52	41	27	50	31	59	54	31	46	37	55	36	40	50	46	44	37	36	52	43	38	40	27	32	56	....	42.6
New Martinsville	Maximum	70	67	64	64	85	83	65	65	63	76	77	70	65	68	77	73	57	71	80	84	70	74	85	81	50	65	71	65	81	79	....	71.5
	Minimum	34	46	37	33	54	54	35	27	48	32	60	49	31	46	34	49	38	40	41	43	50	38	45	47	44	35	44	25	29	56	....	41.5
Parkersburg	Maximum	70	66	56	65	85	75	59	63	62	76	77	68	63	67	73	69	54	70	76	80	58	70	83	71	48	63	71	65	81	72	....	68.5
	Minimum	46	41	38	39	57	57	39	30	44	39	58	42	34	46	39	43	37	45	55	48	50	46	52	48	43	41	39	31	36	60	....	44.1
Petersburg	Maximum	69	65	51	54	88	80	67	69	56	69	73	75	72	55	77	76	57	70	81	87	58	55	77	78	59	64	72	67	80	83	....	69.5
	Minimum	32	50	41	44	50	61	38	27	34	27	56	53	37	45	45	54	40	39	41	40	40	39	42	54	45	41	38	27	26	59	....	42.2
Point Pleasant	Maximum	70	68	63	67	86	86	74	74	74	79	77	69	67	65	78	78	60	72	79	81	72	71	83	83	65	67	75	68	82	80	....	73.8
	Minimum	45	47	40	39	54	56	43	31	46	38	62	48	34	51	37	50	38	45	46	47	57	50	53	63	48	42	50	31	35	58	....	46.1
Rainelle	Maximum	65	60	60	60	79	73	69	68	54	62	70	71	78	69	75	70	65	68	76	82	74	66	76	75	75	74	82	72	84	77	....	71.0
	Minimum	31	39	35	40	49	50	38	26	44	31	53	46	31	48	41	56	37	24	30	33	51	40	41	40	50	26	50	28	28	53	....	39.6
Summersville [3]	Maximum	64	65	59	63	84	73	63	70	58	66	72	68	70	61	70	59	67	70	84	63	70	72	78	75	69	69	71	80	78	80	....	69.7
	Minimum	45	31	34	34	50	49	43	23	40	25	24	51	29	46	37	34	30	30	34	34	45	36	36	50	36	27	25	28	51	48	....	36.8
Sutton	Maximum	70	72	73	73	89	89	77	66	66	70	72	72	72	70	76	76	71	71	80	86	86	75	84	84	75	75	70	70	82	82	....	75.8
	Minimum	35	51	39	32	56	52	49	27	44	30	60	50	34	50	39	52	40	29	35	40	50	47	41	51	51	42	32	28	29	54	....	42.3
Wardensville [3]	Maximum	65	63	46	59	63	68	65	63	56	64	73	75	66	53	72	74	54	68	79	82	42	53	79	75	74	71	65	63	78	82	....	66.3
	Minimum	26	45	41	41	44	46	52	24	41	27	42	47	30	45	42	44	43	27	33	35	40	35	36	46	42	41	40	25	24	50	.	38.5
Weston	Maximum	72	68	60	68	88	85	74	68	64	78	76	74	70	66	79	76	69	69	79	84	82	75	85	81	75	64	69	68	80	79	....	74.2
	Minimum	36	56	38	33	61	56	48	28	38	30	62	55	36	50	38	58	38	41	40	45	55	41	45	59	49	41	42	29	30	59	....	44.6
Wheeling [3]	Maximum	65	65	58	61	81	72	45	58	59	76	77	67	58	67	74	64	52	65	67	73	52	65	82	72	52	61	68	58	76	71	....	65.4
	Minimum	30	38	36	35	38	50	42	28	34	33	40	40	36	37	35	41	38	37	47	44	47	40	44	54	44	36	38	27	28	35	...	38.4
White Sulphur Spgs.	Maximum	68	62	63	58	78	75	74	70	64	62	74	73	78	64	74	73	72	68	78	84	80	58	77	79	77	76	70	69	78	80	....	71.9
	Minimum	25	41	38	40	41	53	52	26	43	28	53	46	30	48	46	56	40	24	31	34	52	38	37	37	49	40	27	29	29	51	....	39.5
Williamson [3]	Maximum	75	71	67	73	89	79	72	73	62	81	78	76	79	63	83	79	55	75	83	89	64	80	88	71	84	68	78	74	85	82	....	75.9
	Minimum	26	43	44	41	57	55	46	35	38	38	54	52	44	49	49	50	43	31	39	42	47	52	53	53	56	45	37	38	39	45	....	44.7

Daily Evaporation (inches) and Wind Movement (miles) for April 1947

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.065	.069	.117	.030	.068	.244	.525	.156	.102	.036	.192	.191	.040	.363	.029	.147	.230	.124	.110	.346	.221	.059	.110	.291	.186	.054	.186	.177	.032	.202	....	4.672
	Wind movement	17	37	133	42	49	190	363	171	67	50	135	140	224	71	15	35	250	117	161	101	142	32	45	69	143	97	108	181	47	91	....	3373
Wardensville	Evaporation	....	.216	.005	.045	.094	.321	.339	.259	.148	.063	.237	.081	.848	.171	.086	.143	.098	.095	.226	.131	....	....	....	....	....	....	....	.218	.164	.198	.261	....	5.148
	Wind movement	....	110	43	28	75	105	190	77	46	26	153	77	84	30	33	51	102	52	66	66	117	105	29	47	84	57	39	120	34	90	....	2136

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—8-7-47—1050)

N W E

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

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CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

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VOL. LV MAY 1947 No. 5

GENERAL SUMMARY

The month began with temperature somewhat above normal. From the 3d to 6th, inclusive, temperatures averaged quite cool—about 6° below normal. On the 7th, the weather began to get abnormally cold culminating in the occurrence of below freezing temperatures in all sections. The minimum temperature reading of 14° recorded at Canaan Valley and Cranberry Glades on the 10th was the lowest ever recorded in May. The previous record low temperature was 17° recorded at Bayard on May 2, 1943. Killing frosts were noted at a number of places on the 8th and 9th and then quite generally on the 10th. The third week averaged somewhat above normal in temperature, while the remainder of the month averaged slightly below.

Precipitation totals were above normal at most stations in the northern division, and at scattered places in the southern division and northeastern panhandle. The greatest excesses were reported from the Ohio River counties from New Cumberland to Point Pleasant. The greatest excess was reported from Point Pleasant with a plus 2.78 inches departure. Point Pleasant had a heavy rain totaling 3.05 inches on the 20th that did about $1000 damage to railroads and $500 damage to crops. At Albright and vicinity on the 29th, a severe wind storm did damage to the extent of $500 to windows, roofs and trees. Also on the 29th, in Capon Valley, near Wardensville, a hail storm caused damage to crops and roofs estimated at $4000.

At the beginning of the month, farm crops of all kinds were about three weeks behind time. The weather turned abnormally cold on the 8th and killing frosts became quite general on the 10th. Damage to fruit and truck gardens was extremely heavy. In most places, rainy weather after the 12th caused much difficulty in planting the corn and soybean crops. The month closed with vegetation from two to three weeks behind in its normal development. However, the cool-season crops such as oats, wheat, potatoes, and garden peas made good growth. Pastures and meadows were short owing to so much cold weather.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 8 stations, was 60.1°, or 1.6° below the normal. The mean for the northeastern panhandle division was 59.8°; for the northern division, 59.7°; and for the southern division, 60.5°. The highest monthly mean was 64.5° at Huntington; and the lowest, 53.2° at Cranberry Glades. The highest temperature was 96° at Hinton on the 23d and 28th; and the lowest, 14° at Canaan Valley and Cranberry Glades on the 10th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 99 stations, was 3.57 inches, or 0.43 inch below the normal. In the northeastern panhandle division, the average was 3.06 inches; in the northern division, 4.60 inches; and in the southern division, 3.02 inches. The greatest monthly precipitation was 6.77 inches at Point Pleasant, and the least, 1.38 inches at Naoma. The greatest amount in any 24 consecutive hours was 3.05 inches at Point Pleasant on the 21st. The average monthly snowfall was a trace which was normal. The average number of days with 0.01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Fogs, dense	1	..	3	3	..	1	..	..	..	2	..	..	..	1	1	1	5	3	1	..	..	6	6	..	1	1	..	..	..	..	..	9
Frosts, killing	..	..	..	..	..	1	6	35	§§	**	39	12	1	1	..	..	..	..	..	..	..	..	..	..	1	..	..	..	3	..	3
Gales	6	2	..	2	..	2	3	5	..	..	..	1	6	..	..	..	..	4	3	..	7	1	..	..	4	3	..	1	18	3	..	
Hail	1	6	2	1	3	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	2	1	..	
Halos, lunar	1	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	
Halos, solar	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	
Thunderstorms	..	20	32	12	13	10	..	..	..	1	..	..	..	15	10	..	7	20	9	20	12	1	3	2	6	18	4	..	1	29	4	1

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.47*	11*	29.55*	4*	9.7	52	s.	1	84	65	68	51	218
Elkins*	30.52	11	29.60	2	7.3	39	sw.	29	98	32	40	44	265
Huntington*	30.48	11	29.61	21	.....	31	w.	29	83	51	60	....	165
Parkersburg	30.47	11	29.59	4	6.3	29	nw.	29	78	49	57	45	177
Petersburg, W.Va.*	30.50	11	29.60	2	.....	32	.....	25	82	46	58	....	196
Pittsburgh, Pa*	30.45	11	29.55	1	10.2	37	nw.	29	78	54	47	44	226

* Airport data. §§102 **113 *Italics* indicate estimated.

COMPARATIVE DATA FOR MAY

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	57.2	.....	.....	2.38	3.11	3.60	3.18	.....	.....	.....	.....	.....
1892	62.2	96	32	3.62	6.67	4.83	5.04	.....	.....	.....	.....	.....
1893	59.5	92	30	4.90	4.35	4.84	4.51	.....	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	.....	13	16	9	6
1895	61.6	105	20	3.18	2.18	2.80	2.60	.....	9	12	11	8
1896	68.3	95	33	2.92	3.50	2.71	3.01	.....	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	.....	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	.....	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	....	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	.....	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	.....	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	0.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	0.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	0.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	0.0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	0.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	0.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	0.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	55.5	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	0.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	0.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	55.5	93	23	8.74	7.12	6.72	7.20	0.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	0.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	0.1	15	10	9	12
1930	63.3	101	23	1.39	2.33	2.19	2.17	0.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	0.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	0.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	0.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	0.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	0.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	0.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	19	1.67	1.22	1.50	1.38	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	0.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
1942	63.5	98	27	5.58	4.42	4.39	4.61	0.0	11	10	11	10
1943	63.5	96	17	3.71	5.04	4.41	4.59	T.	15	8	13	10
1944	67.2	95	25	4.23	4.40	4.33	4.35	T.	11	14	12	5
1945	57.9	95	19	3.79	5.08	5.41	5.01	0.2	14	12	10	9
1946	60.8	90	25	4.83	5.60	4.65	5.11	0.0	18	8	10	13
1947	60.1	96	14	3.06	4.60	3.02	3.57	T.	14	12	10	9
Period	61.7	105	14	3.71	4.19	3.89	4.00	T.	11	13	9	9

Climatological Data for May 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	55.2	−1.2	85	29	17	10	3.83	−0.47	0.67	25	T.	17	11	13	7	w.	Howard R. Fulk
Franklin	Pendleton	1,750	12	.....	.....	.....	.....	.....	.....	3.10	.....	0.80	30	0	10	.....	.....	.....	.....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	4.24	+0.80	1.03	22	0	15	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	62.2	.....	91	28	25	10	2.50	.....	0.75	22	0	11	6	22	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	62.2	−1.2	90	28	27	10	2.96	−0.53	0.65	22†	0	15	12	13	6	sw.	University Exper. Station
Martinsburg	Berkeley	545	55	60.8	−2.0	89	28	28	9	3.43	+0.04	0.69	22	0	18	11	8	12	nw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	13	59.2	−1.0	93	28†	15	10	2.04	−1.19	0.38	29	0	10	9	14	8	w.	R. E. Saville
Petersburg	Grant	1,029	8	61.3	.....	92	28	22	10	1.70	.....	0.50	14	0	16	8	4	19	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	61.6	+1.6	90	29†	26	10	3.18	−0.47	0.96	4	0	15	9	8	14	w.	C. A. Suter, Jr.
Romney	Hampshire	824	46	61.7	−1.2	94	29	23	10	3.44	−0.09	0.74	26	0	20	.....	.....	.....	.....	Marion W. Haines
Stony River Dam	Grant	3,300	15	.....	.....	.....	.....	.....	.....	4.42	−0.18	0.70	13	T.	13	7	3	21	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	59.0	−0.4	90	28†	21	10	2.55	−0.41	0.49	30	0	11	11	10	1	nw.	Keymann Memorial Farm
Means and Extremes	.....	.....	.....	**59.8**	.....	**94**	**29**	**15**	**10**	**3.06**	.....	**1.03**	**22**	**T.**	**14**	**9**	**12**	**10**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	4.17	+0.30	0.84	14	0	16	8	14	9	.....	L. Esle Bond
Benson	Harrison	1,080	22	60.5	−0.3	90	18‡	21	10	4.85	+0.92	0.95	15	0	19	8	19	4	.....	R. D. Marts
Bens Run	Pleasants	652	46	62.0	−1.0	89	28	28	10	3.60	−0.40	0.55	25	0	14	21	9	1	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	56.8	.....	84	28	19	10	5.84	.....	0.89	20	0	14	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	59.6	−2.0	89	28†	21	10	5.35	+1.12	0.89	17	0	18	9	16	6	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	59.1	−2.0	85	28	21	10	5.13	+0.70	1.08	25	0	18	9	14	8	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	60.7	−2.4	88	28†	23	10	5.17	+1.75	1.30	14	0	15	13	11	7	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	54.5	.....	83	28	14	10	6.19	.....	1.13	14	T.	18	4	24	3	w.	George B. Thompson
Clarksburg	Harrison	1,015	24	59.2	−1.1	88	28	23	10	2.82	−0.86	0.61	2	0	14	14	9	8	sw.	Clarksburg Water Board
Crawford	Lewis	1,107	23	.....	.....	.....	.....	.....	.....	4.57	+0.08	1.14	25	0	17	11	13	7	sw.	George W. Blair
Creston	Wirt	640	46	60.6	−2.5	87	23	21	9	3.94	+0.23	0.94	25	0	11	7	4	20	w.	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	61.2	.....	89	28	26	10	4.44	+0.37	0.73	14	0	20	14	7	10	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	5.24	+1.82	1.06	18	0	19	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	.....	.....	.....	.....	.....	4.66	+1.06	0.84	14	0	18	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	4.40	+0.98	1.13	14	0	13	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	6.01	+2.55	1.85	21	0	12	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	57.2	−0.5	86	28	21	10	3.84	−0.21	0.91	14	T.	16	6	7	18	nw.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	61.5	−0.6	89	28	26	10	3.23	−0.65	0.70	25	0	15	11	9	11	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	61.8	−1.8	89	28	25	10	3.57	−0.55	0.58	14†	0	16	9	10	12	nw.	Fred W. Wells
Grafton	Taylor	1,100	53	58.4	−3.1	85	28	20	10	3.90	+0.22	0.44	20	0	17	10	9	12	w.	William D. Myers
Harrison County Airport	Harrison	1,188	7	58.6	.....	85	28	22	10	3.38	.....	0.57	29	0	17	7	7	17	sw.	U. S. Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	.....	.....	.....	4.23	−0.40	1.20	14	0	16	9	17	5	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	3.72	−0.88	0.73	14	0	18	.....	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	7	53.6	.....	82	28	15	10	4.47	.....	0.49	2	T.	21	21	2	8	.....	O. C. Hamilton
Mannington, 1½ mi. NW	Marion	974	45	59.6	−0.8	89	23†	19	10	5.00	+0.99	1.15	25	0	20	11	7	13	sw.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	6	60.6	.....	88	28	23	10	4.15	.....	0.93	13	0	15	8	7	16	se.	L. A. Crumrine
Morgantown, 2 miles N	Monongalia	1,250	71	61.4	−0.7	89	28	25	10	4.47	+0.77	1.03	18	T.	16	12	10	9	.....	State Dairy Farm
New Cumberland	Hancock	671	52	58.8	−1.4	85	28	24	10	5.92	+2.52	1.63	14	T	18	10	5	16	se.	C. O. Valentine
New Martinsville	Wetzel	637	53	61.4	−1.6	90	28	25	10	5.39	+1.72	0.98	25	0	15	12	12	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	61.4	−2.4	88	28	29	10	3.59	+0.21	1.15	13	0	13	5	10	16	se.	Section Center
Parsons	Tucker	1,649	48	59.6	+0.8	88	28	21	10	4.51	+0.38	0.90	14	T.	18	8	10	13	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	3.89	−0.38	0.76	25	0	15	9	9	13	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	5.47	+1.11	1.00	25	T	17	14	3	14	. . .	Mary A. Conrad
Rowlesburg	Preston	1,375	62	58.8	.....	90	28	24	10	4.62	−0.01	0.99	25	T.	17	.....	.....	.....	.....	W. H. Bolyard
Saint Marys	Pleasants	625	36	.....	.....	.....	.....	.....	.....	4.17	+0.66	0.79	14	0	11	.....	..	.....	.....	Edward Hughes
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	5.50	+0.25	0.90	4	0	17	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	62.6	+1.0	91	29	23	10	4.00	+0.11	0.92	13	0	17	11	17	3	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	58.8	−1.4	88	28	19	10	5.05	+1.85	1.92	18	T.	15	14	5	12	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	3.85	+0.12	0.72	14	0	17	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	56	63.1	+0.4	89	23	25	10	4.83	+0.99	0.98	25	0	18	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	59.0	−2.8	85	28	27	10	5.80	+2.70	1.36	18	T.	16	8	13	10	sw.	Lockmaster
Means and Extremes	.....	.....	.....	**59.7**	.....	**91**	**29**	**14**	**10**	**4.60**	.....	**1.85**	**21**	**T.**	**16**	**10**	**10**	**11**	sw.	
Southern Division																				
Arbovale	Pocahoutas	2,727	24	.....	.....	.....	.....	.....	.....	2.19	−1.22	0.82	3	T.	11	10	16	5	w.	H. S. Sutton
Athens	Mercer	2,600	7	59.0	.....	84	28	23	9	1.47	.....	0.35	22	0	13	11	16	4	sw.	Concord College
Bluefield	Mercer	2,558	52	61.8	+0.2	85	24†	30	10	1.66	−1.46	0.28	22	0	12	16	8	7	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	63.0	.....	93	28	28	9	2.04	.....	0.29	22†	0	15	14	6	11	.....	Willard F. Russell
Charleston	Kanawha	615	60	63.7	−1.7	90	23‡	31	9†	2.92	−0.86	0.76	25	0	15	12	8	11	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	61.6	.....	89	28	28	9†	3.23	.....	0.61	20	0	13	10	6	15	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	53.2	.....	78	16†	14	10	3.82	.....	0.50	29	0	17	17	10	4	w.	Department of Justice
Flat Top	Mercer	3,270	9	56.4	.....	79	16†	23	10	2.24	.	0.42	25	0	13	13	10	8	w.	U. S. Airway Station
Gary	McDowell	1,426	30	61.2	+0.1	88	28	28	9†	2.17	−1.80	0.34	30	0	12	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	61.8	.....	88	23†	26	9†	3.52	.....	0.80	17	0	15	18	6	7	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	64.4	+1.0	96	23†	29	9	2.07	−1.48	0.26	3†	0	14	*12*	*15*	4	....	Mrs. M. L. McClung
Huntington	Cabell	571	51	64.5	−0.2	89	28	28	10	3.50	−0.47	0.79	21	0	14	7	18	6	sw.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	.....	.....	.....	.....	.....	3.05	−1.35	0.50	20	0	11	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	59.3	−0.8	86	16†	24	9†	2.26	−1.10	0.38	2	0	14	19	9	3	w.	Prof. H. B. Graybill
Logan	Logan	700	34	64.2	−2.8	92	28	30	9	3.31	−0.80	0.76	21	0	15	21	5	5	.....	J. W. Ruff
London Locks	Kanawha	623	12	61.8	.....	89	28	28	10	4.32	+0.99	1.26	21	0	16	.	.....	.....	w.	Lockmaster
Madison	Boone	675	26	62.6	−1.2	89	28	28	9	5.49	+1.16	1.54	20	0	15	4	18	9	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	59.4	.....	85	28	27	10	2.43	.....	0.49	29	0	15	*16*	2	13	. .	M. H. Martin
Pineville	Wyoming	1,350	5	59.6	.....	88	23	26	9†	2.30	.....	0.37	17	0	10	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	63.6	−1.1	88	28	30	10	6.77	+2.78	3.05	21	0	13	17	4	10	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	16	*58.0*	−0.1	87	23†	21	10	*5.07*	−1.40	0.75	29	0	*14*	*14*	*6*	*11*	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	61.8	−0.1	86	19	25	9†	2.92	−0.79	0.57	22	0	13	14	6	*11*	nw.	Lockmaster
Richwood	Nicholas	2,193	16	56.2	−4.0	85	29	20	10	3.49	−1.21	0.54	30	T.	14	13	7	11	....	Richwood Water Co.
Ripley	Jackson	610	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spencer	Roane	789	48	60.9	−1.1	88	28	21	10	3.30	−0.85	0.64	2	0	13	6	17	8	.....	A. M. McKown
Summersville	Nicholas	1,900	11	57.2	.....	87	27	19	9	2.40	.....	0.38	19†	0	13	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	44	62.5	−0.8	92	28†	24	10	4.91	+0.55	1.63	26	0	16	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	43	59.2	−1.7	88	16	21	9	2.60	−1.20	0.40	21	0	14	20	4	7	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	61.6	.....	89	29	26	10	4.25	.....	1.55	20	0	15	19	5	7	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	60.4	−0.1	89	28	22	9†	3.13	−0.34	0.80	21	0	13	6	18	7	w.	Greenbrier Hotel
Williamson	Mingo	673	46	64.2	−0.8	91	28	30	10†	3.01	−1.04	0.59	21	0	12	14	11	6	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	62.0	.....	87	28	29	9†	3.75	.....	0.86	25	0	15	13	10	8	w.	Lockmaster
Means and Extremes	.....	.....	.....	**60.5**	.....	**96**	**23†**	**14**	**10**	**3.02**	.....	**3.05**	**21**	**T.**	**13**	**13**	**10**	**8**	w.	
State Averages and	Extremes	.....	.....	**60.1**	**−1.6**	**96**	**23†**	**14**	**10**	**3.57**	**−0.43**	**3.05**	**21**	**T.**	**14**	**12**	**10**	**9**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for May 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.10	.40	.62	.05	.35	.07	.23	T.					.08	.43		.02	T.	T.	.08	.20	.16	.14			.48	.19			.23			3.83
Brushy Run[2]	do.	.36		.21	.08		.02	T.	T.						.45	T.		.14	.15		.03		.14			T.	T.				.33		1.91
Franklin	do.	.80	.20												.19				.35		.37	.04	.17		.68		.10			.20		3.10
Harpers Ferry[2]	do.	1.00	.13		.09	.10	.20	.02							.29	T.		.02	.23		.12	.10	1.03			T.	.22		.15		.54		4.24
Inwood	do.	.33	.25			.29								T.	.10		.02				.30	.75		.05	.09	T.	.06	T.	.26	T.		2.50
Kearneysville	do.	.28	.47	.22		.12		.05						T.	.16	T.		.01	.04	.05	.02	.02	.65		T.	.15	T.	.07	T.	.65	T.		2.96
Knobly Mountain[2]†	do.	.52	.16	.04		.05		T.	T.						.26	.05			.05		.07	.09	.12			.33	.18		T.		.41		2.33
Martinsburg[4]	do.	.28	.48	.13		.11		.05						.05	.10	.04	T.	.04	.04	.06	.02	.66	.69		.02	.19		.10		.37			3.43
McNeill†	do.	.16	.16	.18		.05		T.						T.	.36		T.	.25	.05	T.	T.		.33			T.		T.		.38			2.04
Petersburg	do.	.01	.20	.17	T.	.08		.05						.12	.38	T.	T.	.04	.01	.02	T.	.19	.02	.01	.11	.12		T.		.17			1.70
Piedmont	do.	.22	.26	.08	.96	.28	.01	.07							.19			.04	.08		.03	.09	.11			.70	T.			.06			3.18
Romney	do.	.15	.39	.13	.01	.08	.01	.04						.02	.36		.01	.44	.02	.02	.05	.14	.20		.02	.52	.74		.04	.05			3.44
Springfield	do.	.71	.19		.10	.02	.01	.02	.02						.22				.14		.08	.10	.20				.76						2.57
Spruce Knob[2]‡	do.	.42	.32	.28	.18	.28	.42	.37	.24						.42	.17		T.		T.	.34	.43	.44			T.	T.			.57			4.88
Stoney River Dam[2]†	do.		.60		.20	.30	.30	.19	T.						.70				.20		.55	.20	.22			.10	.46			.40			4.42
Wardensville[2]	do.	.49	.34	T.	.15	.26		T.							.36				.22		.09		.15				.38		.04		.07		2.55
Northern Division																																	
Aberdeen†	West Fork	.08	.44	.03	.02	.14		.13						T.	.84		.16	.40		.05	.62	.08	.37			.54	.04			.23			4.17
Belington[2]	Tygart	.22	.03	.03	T.	.16	.04	.04	.05						.88	.02		.39	T.	.09	.48	.04	.29			T.	.68				.12		3.56
Bensouf	West Fork	.08	.35	.04	.42	.30	.02	.25							.10	.95	.02	.06	.11	.02	.16	.05	.35			.54	.17			.86			4.85
Bens Run	Ohio	.10	.39		.09	T.		.14						.41	.52		.10	.07	.16	.13	.15	.45			.55				.34			3.60
Big Skiu Creek	West Fork	.05	.42	.06		.32		.14						.15	.93		.71					.09	.40			.81				.42			4.50
Brandonville[2]	Cheat	.72	.32		.44	.17	.28	.29	T.	T.					.84	.08			.26		.89	T.	.41			.17	.39				.58		5.84
Brownsville†	West Fork	.05	.45	.06	.24	.06	.04	.13						.06	.66			.89	.10	.14	.76	.05	.37			.75	.26			.28			5.35
Buckhannon	Tygart	.08	.31	.06	.10	.20	.01	.12						.25	.58	T.		.75	.06	.11	.39	.44	.32			1.08	.02			.25	T.		5.13
Cairo	Litl. Kanawha	.87	.87	.05	T.	.11		.11						.18	1.12				.05	.23	.06	.15	.45			.70	.15			.07			5.17
Canaau Valley	Cheat	.12	.52		.12	.67	.14	.20	T.					.20	.93			.08	.10	.78	.37	.34	.25		.21	.49			.06	.61			6.19
Clarksburg[2]	West Fork	.26	.35			.20	.01	.19							.53			.05	.06		.12	.03	.22			.26	.14				.40		2.82
Crawford	do.	.05	.31	.44	.07	.15	.02	.07						.14	.71			.47	.06	.07	.17	.10	.36			1.14			.24				4.57
Crestou[2]	Litl. Kanawha	.24	.35	T.	T.	.12		.12	T.						.51			.92	T.		.11		.49			.68	.26				.14		3.94
Dailey[2]†	Tygart	.30	.21	.18	.16	.10	.06	.04	.10	T.					.54	T.		.28	.37	T.	.50	.04	.26			.02	.22		T.		.15		3.53
Dam 10, Mon. R.[2]†	Monongahela.	.34	.18	.17	.47	.04	.06	.10	.15						.73	.05		.05	.41	.29	.15	.02	.37			.04	.56	.01			.25			4.44
Dam 13, O. R.[2]†	Ohio	.38	.32	.29	.01	.26	.05	.26	.03						.64	.01		.22	1.06	.01	.39		.45			.25	.24	.02			.35			5.24
Dam 15, Mon. R.[2]†	Monongahela.	.49	.15	.14	.25	.07	.08	.04	.10						.84			.17	.45	.03	.35	.03	.26			.07	.75				.36			4.66
Dam 19, O. R.[2]†	Ohio	.74	.26	.02		.07		.15							1.13			.15	T.		.41	.30	.52			.35	.15				.15			4.40
Dam 20, O. R.[2]†	do.	.71	.28	T.		.07		.14							1.17			.34	T.		.18	1.85	.55			.35	.13		T.		.24			6.01
Elk†	West Fork	*	.50		*	*	*	.30						.10	.68		.13			.08	.44		.53			1.18				.20			4.14
Elkins[1]†	Tygart	.11	.26	.01	.30	.14	T.	.13						.63	.28		.33	T.	.10	.15	.23	.20	.05		T.	.61		T.		.31	T.		3.84
Fairmont[2]	Monongahela.		.44	.10	.09	.12	T.	.18						.07	.44		.07		.25	.02	.07	T.	.23			.63	.07			.45			3.23
Glenville[2]	Litl. Kanawha	.22	.39	.24	.11	.09	.01	.12							.58			.58		.12	.19	.02	.39			.19	.24				.08		3.57
Graftou	Tygart	.16	.20	.40	.01	.19	.18	.28						.16	.43		.07		.13		.44	.03	.30			.43	.25			.24			3.90
Hackers Creek†	West Fork	.02	.62		.08	.16	.10	.18						.05	.74		.16				.21	.42				.56				.50			3.80
Hall[2]	Tygart	.29	.21	.03	.02	.15	.02	.06	.08						1.13			.70		.05	.24	.03	.11			.41	.56				.05		4.14
Harrison Co. Arpt[4]	West Fork	.16	.13	.25	.10	.06	.01	.23						.48	.06		.03	.06	T.	.33	.07	.33	.01			.50				.57			3.38
Hastings	Ohio	.30	.37			.11	.03	.20						.20	1.00		.08		.26	.05	.12	.16	.36			.56	.09			.34			4.23
Horner	West Fork	*	.50		*	*	*	.65							.25							.20	.70			1.15				.45			3.90
Ireland	do.	.36	.23	.26	T.	T.									.61		.32		.06	.35	.08			.09	.65	.96						3.97
Jane Lew	do.	.07	.50	.09	.07	.21	.02	.16						.03	.73		.05	.19		.03	.43	.05	.38			.52	.09			.10	T.		3.72
Kumbrabow St.For.†	[2]Tygart	.08	.49	.17	.01	.25		.29	.01					.17	.43	.01	.23	.32	.09	.28	.39	.13	.37			.21	.06			.44	.04		4.47
Mannington	Mouongahela.	.11	.51	.01	.11	.24	.01	.21						.38	.62		.12		.48	.21	.07	.17	.35			1.15	.04		.02	.18	.01		5.00
Middlebourne[2]	Middle Is. Crk.	.40	.36	.19	.03	.10	T.	.15							.93			.12	.05		.27	T.	.32			.73	.24				.26		4.15
Middlesale[2]†	Tygart	.21	.30	.07	.42	.42	.06	.04	.05						.84	.02		.66		.20	.60	.09	.44			.40	.96				.15		5.63
Morgantown	Monongahela.		.42	.01	.53	.14	.03	.11	T.					.42		.35	.03		1.03	.03	.05	.01	.33			.73				.25			4.47
Mt. Clare	West Fork		.47	.02		.21	.19	.03						.07	.53					.04	.65	.15				.88				.46			3.70
New Cumberland	Ohio.	.02	.62		.21	.17	.02	.18	T.	T.				.48	1.15			.22	.39	.15	.31	.50	.04			.85		.34	.02	.25			5.92
New Martinsville	do.	.50	*	.37	.20	.06	T.	.19						.63	.59		T.	.28	.47	.02	.12	.54				.98		T.		.44			5.39
Parkersburg[1]†	do.	.27	.04	T.	.05	.01	T.	.17						1.15			.01	.01	T.	.45	.45	.50				.34				.14			3.59
Parsons	Cheat.	.12	.39	.02	.30	.35	.06	.15	T.					.10	.80			.16	.23	.11	.32	.08	.25			.56	.01		T.	.50			4.51
Philippi[2]	Tygart	.41	.39		.01	.16	.03	.09	.05						.73	T.		.10	T.		.35	.04	.62			.14	.62				.15		3.89
Roanoke	West Fork	.07	.69		.20	.33	.03	.10						.10	.77			.52	.04	.07	.57	.10	.43			.66	.34			.45			5.47
Rockford†	do.	.10	.40	T.	.08	.07	T.	.20						.05	.65		T.	.15		T.	.43	.02	.40			.64	.10			.21			3.50
Rowlesburg[2]	Cheat.	.55	.32	T.	.05	.18	.19	.21	.05	T.					.85	.13		.08	.10		.42	.06	.39			.12	.87				.05		4.62
Saint Marys[2]	Ohio.	.60		.34				.16							.79				.65		.24	.08	.52			.35	.20			.24			4.17
Salem	West Fork	.14	.51	.04		.09		.10						.29			.38		.51	T.		T.	.29			.92	.06			.33			3.66
Sand Fork	Litl. Kanawha	.02	.34	.35	.10	.21	T.	.12						.19	.47		.01	.49	.12	.08	.23	.05	.45			1.20	.06			.22			4.71
Shinnston	West Fork	.10	.33	.05	.10	.05								T.	1.00		.03		.15	.05	.11	.20	T.			.81				.70			3.68
Thomas[2]	Cheat.	.42	.36	.16	.90	.25	.31	.08	.14						.65	.10				.12	.47	.14	.27			.05	.73				.35		5.50
Upper Davisson Run.	West Fork	.10	.40			.10		.12						.24	.44		.03	.01	.04	T.	.11	.03	.25			.59	.13		T.	T.			2.59
Valley Chapel	do.	.05	.60	.03	T.	.16	.05	.16						.05	.87		.12	.45		.03	.29	.03	.28			.55	.05			.23			4.00
Valley Head[2]	Tygart	.19	.30	.26	.14	.10	.05	.03	.16	T.					.29		.26	.12	.14	.60	.24	.25			.10	.09				.42			3.74
Vandalia†	West Fork		.30		.13	.34		.12						.23	.12	.60		.40	.40		.25	.35	.22			.35	.25			.20			4.26
Wellsburg (near)	Ohio		.46	.04	T.	.40		.19						.38	.34			T.	.92	T.	.70	.37	.32			.64	.08	.08	.03	.10			5.05
West Milford	West Fork	.10	.50		.04	.30	.02	.21						.10	.62		.02	.08	.02		.27	.08	.35			.53	.08			.53			3.85
Weston[2]	do.	.34	.48	.06	.26	.18	.06	.12	.06	T.					.72	.04		.56		.04	.22	.24	.33			.06	.98				.08		4.83
Wheeling (Dam 12)[2].	Ohio	.37	.45	.22	T.	.30	.03	.24	.04	T.					.75	T.		.13	1.36	T.	.73	T.	.46			.26	.29	T.	.01		.16			5.80
Southern Division																																	
Arbovale	Greenbrier		.47	.35		.07		.10	T.					.12			T.	.10	T.	.10	.08	.49			T.	.07		T.		.24			2.19
Athens	New	.05	.17	.10	.04									.01	.02			.10	.02	.14		.10	.35			.24				.13			1.47
Bluefield	do.	.04	.10	.21	.12									T.	.15			.20	.05	T.	.05	.09	.28				.12			.25			1.66
Bluestone Dam	do.	.04	.18	.06	.27	.10			.01						.16			.10	.02		.08	.15	.29			.24	.05				.29		2.04
Camden-on-Gauley[2]	Gauley	.12	.34	.03		.07			.12						.11			.12		.14	.44	.03	.25			.38	.30				.54		2.99
Charleston	Gr. Kanawha.	.29	.15	.19	.05	.05		.07							.11			.02		.19	.40	.19	.36	T.		.17	.59				.09		2.92
Charleston Airport[4]	do.	.48	.05	.03	.02			.10						.10			.35		.20	.20	.61	.46				.55				.08			3.23
Coalwood	Big Sandy	.02	.27	.24		T.		.02						.04	.22			.18			.17	.26				.48	.08			.32			2.30
Cranberry Glades	Cranberry	.02	.37	.36	.02	.29	.02	.14							.32			.21	.09	.08	.06	.47	.35			.37	.15			.50			3.82
Flat Top[4]	New	.09	.29	.33	.18			T.						.04	.10			.14	T.	.01	T.	.18	.11			.42				.32	.03		2.24
Gary[2]	Big Sandy	.01	.18	.30	.14		T.		.01						.24			.29			T.	.13	.20			.04	.29				.34		2.17
Hamlin	Mud	.52	.19	.04	.12	.10		.03							.04		.03	.80		.22	.25	.06	.46			.30	.36						3.52
Hinton[2]	New	.10	.21	.26	.25	.03		.05							.16			.15			.07	.11	.26			.24	.02				.16		2.07
Hogsett	Ohio	.43	.16	.09	.06	.02		.10	T.						.37		T.	.06			.10	.02	.59			.38	.26				.11		2.75
Huntington	do.	.49	.11	.13	.28			.05						.10	.19		.20	T.		.17	.07	.76	.03			.68				.24			3.50
Kayford[2]	Gr. Kanawha.		.25		.23									*	.30		.22	.20			.50	.40	.25			.15	.20				.35		3.05
Lewisburg	Greenbrier	.08	.38	.11		.09		.04						.07	.08			.32		.02	.09	.36	.17			.15				.30			2.26
Logan[2]	Guyandot	.13	.25	.14	.06			.03							.26	.06	.36	T.	.10	.38	.04	.76				.17	.17				.40		3.31
London Locks[2]†	Gr. Kanawha.	.25	.29	.02	.12	.03		.01	.05						.16			.05	.01		.61	1.02	.24			.41	.28				.77		4.32
Madison[2]	Coal	.27	.70	.09				.19							.28		.02	.12	.05	.04	1.54	.25	.44			.68	.33			.49			5.49
Oak Hill	New	.11	.16	.13	.10	T.			.04					*	.18			.08		.28	.18	.08	.33			.03	.24				.49		2.43
Pineville[2]	Guyandot	T.	.13	.07	.36				T.						.18			.37			T.	.21	.35			.13		.20		.30			2.30
Point Pleasant[2]	Ohio	.41	.24	.08	T.	.06		.10							.13			.62			.91	3.05	.68			.34	.03				.12		6.77
Princeton[2]	New		.06	.10	.21	.02									.08			.18			.22	.11	.28			.07	.10				.10		1.53
Rainelle	Greenbrier	.24	.16	.17	.12			.11						.01	.31		T.	.10	.10		T.	.18	.34			.40	.08			.75			3.07

Continued on next page.

Daily Precipitation for May 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio	.42	.30	T.	.04	.10		.10							.42			.31			.22	.02	.57			.30	.04				.08		2.92
Richwood [2]	Gauley	.28	.25	.16	.21	16			.14	T.								.36	.14		.38	.19	.26			.15	.27				.54		3.49
Ripley	Ohio																																
Spencer [2]	Lit.Kanawha	.19	.64	.07				.08							.22			.23		.02	.12	.04	.56			.49	.24				.40		3.30
Summersville [2]	Gauley	.20	.05	.18	.03									.25			.16		.12	.38	.02	.38		.12	.23					.28		2.49
Suttou	Elk	.08	.56	.24		.06		.12						.09	.26			.60	.05	.12	.43	.05	.32		1	22	.41				.30		4.91
Union [2]	New	.14	.21	.30	.09	.23	.03								.08			.02			.23	.14	.40			.10	.01				.02		2.60
Wayne [2]	Twelvepole	.54	.18	.06	.17			.15							.09		.10	.91		.12			.60		.30	.20					.08		3.50
Webster Springs	Elk	.21	.31	.48	.04			.19							.19			.35	.07	.70	.85	.02	.18		.03	.23	T				.40		4.25
White Sulp'r Spgs.	Greenbrier	.18	.49	.22	T.	.08	T.	.04							.04			.21	T.		.11	.80	.32			.82	.04				.28		3.13
Williamson [2]	Big Sandy		.49	.15	.04													.30		.05	.07	.04	.11			.59		.13		.53		.54		3.04
Winfield Locks [2†]	Gr. Kanawha	.51	.24	.08	.10	.07		.08							.19			.23		.38	.20	.18	.50			.62	.24				.13		3.75

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for May 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	71	62	52	65	62	64	58	50	57	61	77	78	77	78	75	83	83	81	78	71	71	77	83	79	71	73	82	84	81	69	73	71.8
	Minimum	57	42	38	42	47	40	44	30	23	26	28	30	50	53	43	56	54	65	60	60	59	48	49	53	59	50	44	54	55	41	33	46.2
Bayard	Maximum	76	68	62	61	54	53	50	44	44	55	68	77	74	78	67	75	81	78	83	76	78	72	82	83	76	72	77	84	85	59	67	69.6
	Minimum	53	45	36	40	39	40	35	27	27	17	21	25	38	37	48	41	52	52	50	55	54	47	38	42	52	47	45	46	48	39	29	40.8
Bluefield	Maximum	75	68	60	67	68	66	66	53	57	57	76	80	79	75	80	83	74	82	78	78	72	73	84	85	79	78	83	85	84	70	70	73.7
	Minimum	58	46	43	44	48	44	47	33	31	30	33	44	53	55	50	59	56	66	62	64	60	50	60	57	54	53	48	60	61	41	39	50 0
Buckhannon	Maximum	79	67	63	66	63	60	55	50	50	58	72	79	79	70	75	79	80	80	79	74	79	72	83	83	80	76	79	85	82	66	70	72.0
	Minimum	56	56	39	46	45	45	39	28	24	21	26	28	40	56	49	49	54	61	58	61	61	50	46	48	62	44	50	55	58	44	34	46.2
Charleston (Airport)	Maximum	82	67	58	74	61	69	55	54	56	64	78	85	81	79	85	84	85	83	80	78	80	76	88	87	76	77	85	89	82	67	75	75.5
	Minimum	53	45	44	44	43	42	46	30	28	28	30	38	47	54	51	55	62	63	62	61	54	49	47	54	57	53	51	57	50	39	40	47.6
Clarksburg [3]	Maximum	80	65	67	68	50	62	52	50	48	61	72	81	79	68	76	80	81	83	83	77	82	76	76	83	77	75	81	88	84	64	72	72.3
	Minimum	48	50	40	45	46	46	47	27	27	23	27	32	35	49	49	50	58	60	59	59	59	47	45	50	57	49	49	57	57	44	37	46.1
Cranberry Glades	Maximum	72	70	52	59	56	58	54	39	49	57	69	75	74	66	72	78	75	76	76	67	66	70	78	77	73	72	75	78	78	73	65	67.5
	Minimum	53	40	31	39	33	40	33	25	24	14	17	23	30	52	38	43	46	54	47	53	52	46	39	41	57	44	45	46	37	37	25	38.8
Elkins	Maximum	78	60	63	66	53	58	50	46	47	58	71	79	78	65	74	78	81	78	81	70	77	72	82	81	79	75	78	86	83	60	69	70.2
	Minimum	54	42	38	48	42	42	35	31	25	21	24	30	39	52	48	49	53	58	58	60	58	49	43	48	55	49	48	52	46	38	33	44.1
Fairmont [3]	Maximum	81	78	70	68	64	57	57	50	47	63	75	84	79	72	77	79	83	85	85	81	84	77	87	85	80	77	80	89	85	67	73	74.8
	Minimum	58	49	44	49	46	46	46	29	31	26	30	33	43	57	54	50	59	61	56	64	62	46	46	51	63	45	56	58	58	42	37	48.2
Flat Top	Maximum	74	60	50	62	56	60	53	46	51	56	70	76	76	71	75	79	79	78	76	75	68	69	79	75	72	70	76	79	77	60	70	68.3
	Minimum	52	40	33	40	43	40	38	27	26	23	25	33	48	52	46	50	50	59	54	58	57	42	48	50	57	45	54	60	57	37	32	44.4
Gary [3]	Maximum	80	66	56	71	64	68	61	55	60	65	78	83	83	78	83	85	86	84	81	77	78	83	80	76	86	88	76	77	75	64	69	75.1
	Minimum	55	50	42	43	53	40	44	30	28	29	28	29	42	53	47	51	57	59	56	61	60	51	49	51	62	54	46	52	56	46	38	47.2
Glenville	Maximum	82	66	65	70	66	65	63	58	55	64	77	84	82	74	80	82	84	85	81	78	81	77	87	84	78	78	83	89	85	66	74	75.6
	Minimum	58	50	42	45	46	49	42	28	27	25	28	33	42	59	51	52	59	63	60	65	62	49	47	52	64	46	46	58	58	43	39	48.0
Grafton	Maximum	80	75	66	67	62	59	57	48	47	58	72	80	79	68	75	78	81	82	83	78	82	73	83	83	77	75	79	85	79	63	70	72.4
	Minimum	56	47	37	47	46	45	43	26	25	20	25	28	38	55	50	45	55	56	53	52	60	18	43	46	58	45	43	53	55	46	35	44.5
Huntington	Maximum	82	72	59	74	69	71	66	57	62	66	80	82	78	81	85	87	84	88	83	85	78	76	87	87	85	78	85	89	86	69	77	77.7
	Minimum	56	52	48	50	48	44	47	34	32	28	33	42	52	60	53	59	62	66	63	62	66	49	49	58	66	52	55	62	55	43	43	51.3
Lewisburg	Maximum	81	64	60	68	62	68	58	55	60	65	72	82	83	77	82	86	84	85	84	80	74	73	83	82	80	77	83	86	85	68	72	74.5
	Minimum	51	44	36	40	42	45	40	27	24	24	26	32	42	52	45	45	52	58	55	58	56	47	48	51	60	43	42	50	53	47	32	44.1
Logan [3]	Maximum	83	78	58	75	66	72	59	58	63	65	81	88	84	84	88	87	86	83	81	79	82	78	90	85	70	80	88	92	86	70	75	77.9
	Minimum	57	50	46	46	50	45	48	33	30	31	31	43	47	56	53	55	60	61	67	62	64	52	51	55	62	53	51	56	59	50	44	50.5
Madison [3]	Maximum	83	69	72	74	63	69	56	55	60	66	80	84	81	81	85	87	87	85	81	80	79	77	87	85	79	78	85	89	84	67	76	76.9
	Minimum	52	49	45	44	44	41	44	33	28	29	29	37	46	54	52	54	58	61	61	60	61	52	48	52	63	53	50	55	58	45	41	48.4
Mannington	Maximum	81	75	68	68	65	61	60	49	47	62	76	83	81	72	79	81	82	83	84	80	83	78	89	87	83	80	82	89	87	65	76	75.4
	Minimum	53	49	38	45	43	46	40	25	26	19	25	29	38	54	49	46	56	39	52	60	58	45	40	47	58	42	42	51	55	60	35	43.8
Martinsburg	Maximum	81	64	59	67	59	66	58	51	51	62	72	85	84	75	53	67	74	85	87	86	81	73	80	86	80	77	78	89	88	67	71	72.8
	Minimum	55	55	46	46	49	47	40	35	28	29	30	32	47	50	45	50	57	60	56	62	62	54	50	55	63	52	54	58	60	48	40	48.9
Middlebourne	Maximum	79	65	65	79	70	62	51	52	49	64	76	82	75	70	76	80	83	83	82	79	83	75	86	83	78	72	82	88	83	63	74	73.8
	Minimum	54	52	41	45	43	43	49	26	27	23	29	33	46	55	50	52	59	62	56	65	61	48	46	52	64	45	56	56	60	38	37	47.5
Morgantown	Maximum	83	80	70	68	64	60	58	48	44	65	79	86	80	69	78	82	83	82	84	82	83	75	86	84	78	79	78	89	85	63	74	74.8
	Minimum	59	48	42	49	43	46	41	31	32	25	31	35	45	57	42	50	60	61	56	59	59	48	48	65	64	48	56	54	61	39	38	48.1
New Martinsville	Maximum	82	66	68	70	58	62	61	51	47	64	76	85	79	71	77	79	84	83	82	83	82	76	88	85	82	78	82	90	82	67	75	74.7
	Minimum	56	50	50	47	43	48	42	29	28	25	30	34	45	57	50	51	60	61	57	63	62	49	48	51	63	45	56	61	52	38	35	48.0
Parkersburg	Maximum	80	68	64	70	58	64	53	50	50	61	76	83	74	70	80	82	83	84	80	82	79	74	86	84	77	77	81	88	82	64	73	73.5
	Minimum	54	49	45	46	45	46	39	33	33	29	34	40	53	58	54	59	61	65	60	65	54	48	48	57	55	47	57	66	49	40	38	49.3
Petersburg	Maximum	83	64	66	70	58	64	59	52	57	64	76	86	85	71	62	81	82	84	89	79	81	77	87	89	81	82	83	92	88	67	75	75.3
	Minimum	59	46	44	46	48	47	39	34	32	22	27	31	42	56	49	44	55	60	60	64	58	56	48	52	60	51	53	52	54	43	35	47.3
Point Pleasant	Maximum	80	69	64	72	65	67	67	54	56	61	77	84	80	75	82	86	84	83	81	84	80	73	86	86	84	78	83	88	84	67	74	75.9
	Minimum	57	51	47	51	47	44	46	33	33	30	33	41	52	60	57	60	62	68	61	63	64	49	49	58	66	50	57	64	58	40	42	51.4
Rainelle	Maximum	78	80	68	70	69	65	49	50	56	63	78	82	82	74	79	84	83	81	80	75	74	76	87	84	73	77	83	87	82	66	76	74.5
	Minimum	36	37	29	33	37	37	42	30	22	21	22	27	36	54	44	47	53	52	53	55	58	48	49	45	60	46	41	48	52	41	32	41.5
Spencer	Maximum	81	65	70	66	55	65	53	53	56	64	77	83	74	78	83	85	85	86	80	78	80	77	87	83	76	77	83	88	81	66	74	74.5
	Minimum	54	48	40	38	42	43	45	26	24	21	26	33	43	60	49	53	60	65	60	65	64	48	45	53	63	45	52	62	59	40	38	47.3
Summersville [3]	Maximum	61	60	66	52	62	47	49	59	68	75	81	81	78	60	82	83	82	79	80	70	74	81	83	79	75	82	87	81	61	74	85	72.3
	Minimum	44	33	36	43	44	38	28	20	19	20	29	31	39	41	41	50	55	54	57	56	45	60	44	60	44	41	48	52	40	31	58	42.0
Sutton	Maximum	82	82	65	70	70	66	66	56	59	62	77	85	85	76	84	90	90	87	84	82	78	78	88	88	85	80	86	92	92	90	76	79.2
	Minimum	52	50	41	43	45	47	44	28	25	24	25	31	40	51	48	50	55	58	56	60	59	48	46	49	58	45	49	54	55	47	38	45.8
Wardensville [3]	Maximum	81	62	62	67	56	64	62	51	52	74	62	74	85	71	63	68	70	81	82	81	81	75	85	88	88	80	81	90	90	67	74	73.1
	Minimum	53	49	38	40	45	48	43	36	23	21	30	26	30	54	46	46	55	58	55	57	56	57	44	53	48	48	45	51	57	46	32	44.8
Wheeling [3]	Maximum	80	63	67	68	51	62	50	46	46	61	73	81	72	67	70	75	80	80	79	80	73	82	84	75	75	76	85	80	61	72	70	70.8
	Minimum	59	49	41	40	43	45	47	35	34	27	28	31	40	53	52	50	55	61	56	57	62	48	48	50	58	48	51	54	60	39	38	47.1
White Sulphur Spgs.	Maximum	81	78	64	68	64	68	69	58	59	68	77	82	87	78	82	84	85	78	75	73	68	73	86	81	74	74	86	89	89	73	74	75.6
	Minimum	52	47	39	41	49	47	38	28	22	22	24	28	37	54	46	41	55	55	54	58	57	52	68	53	61	45	40	54	58	45	33	45.3
Williamson [3]	Maximum	82	70	58	76	68	72	61	59	65	70	83	88	83	85	87	87	90	89	82	80	79	79	90	84	80	81	88	91	82	70	79	78.6
	Minimum	57	51	46	45	50	43	48	32	31	80	30	32	46	54	51	55	62	61	61	62	64	53	50	55	62	53	51	57	58	49	42	49.7

Daily Evaporation (inches) and Wind Movement (miles) for May 1947

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.177	.182	.119	.084	.141	.089	.062	.118	.151	.109	.131	.147	.206	.089	.103	.124	.127	.031	.354	.123	.143	.120	.187	.196	.190	.039	.115	.257	.213	.183	.243	4.507
	Wind movement	70	74	51	42	81	175	95	137	149	64	54	14	62	89	67	43	67	52	122	65	58	109	41	35	23	107	61	24	46	124	65	2,266
Wardensville	Evaporation	.197	.368	.099	.085	.137	.140	.141	.169	.198	.160	.220	.171	.267	.237	.071	.089	.076	.320	.141	.067	.158	.155	.232	.139	.221	.293						5.426
	Wind movement	70	75	37	34	36	106	100	53	62	70	36	16	36	38	9	88	23	80	7	30	41	91	27	27	29	89	25	18	46	84	49	1,532

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quauity.

(WBO, Philadelphia, Pa.—8-29-47—1050)

WWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

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VOL. LV JUNE 1947 No. 6

GENERAL SUMMARY

For the entire State, both temperature and precipitation averaged a little below normal. More than two-thirds of the stations reported minus departures of temperature and the same was true for precipitation. There were two warm periods, 6-12th and 26-30th, while from the 13th to the 25th it was generally cold. The southern division had abnormally low mean temperatures during this latter period. Maxima of 100° were recorded in the Hinton area on the 10th and 11th.

Precipitation was fairly well distributed throughout the month but the period 6-8th had especially heavy thundershowers and some heavy hail. On the 6th, heavy hail at Berlin and vicinity damaged crops, gardens, windows, and roofs. Damage estimated at $105,000 was done in Cabell County on the 8th to roads, bridges, plowed land, and crops by torrential thundershowers. Heavy showers in the vicinity of Buckhannon on the 8th caused considerable damage in washing plowed land, flooding cultivated fields, and sanding meadows and pastures. At Vadis, on the 8th, heavy rains were reported to have caused a flash flood in Fink Creek which washed away the Post Office. Widespread damage to fruit in Hampshire County on the 8th was reported as a result of moderate hail driven by high winds. A man was reported killed by lightning at Clarksburg on the 8th. Frequent rains made for poor harvesting weather, but most crops made good growth during the month in spite of the cold spell from the 13th to the 25th.

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 68.3°, or 1.5° below the normal. The mean for the northeastern panhandle division was 67.4°; for the northern division, 68.2°; and for the southern division, 68.8°. The highest monthly mean was 72.9° at Huntington; and the lowest, 60.4° at Cranberry Glades. The highest temperature was 100° at Bluestone Dam on the 10th and at Hinton on the 11th; and the lowest, 31° at Bayard on the 1st and at Cranberry Glades on the 3d and 22d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 106 stations, was 3.80 inches, or 0.65 inch below the normal. In the northeastern panhandle division, the average was 2.86 inches; in the northern division, 4.14 inches; and in the southern division, 3.89 inches. The greatest monthly precipitation was 7.84 inches at Greenbottom, and the least, .79 inches at McNeill. The greatest amount in any 24 consecutive hours was 4.20 inches at Elkins on the 8th. The average number of days with 0.01 inch or more of precipitation was 10.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	5	12	..	..	..	6	12	3	2	..	..	1	..	..	5	3	8	3	3	3	2	3	2	2	1	8	..	5	3
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	8	3	..	1	2	11	7	2	..	..	..	..	3	1	3	..	..	..	1	4	2	1	..	..	..	..	1	..	..	..
Hail	..	1	1	..	..	3	2	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	26	12	..	..	25	36	42	1	3	5	5	9	5	..	..	..	..	..	..	1	1	5	1	20	7	1	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.29*	23*	29.66*	2*	9.1	37	s.	5	84	61	66	67	23
Elkins*	30.34	23	29.71	14	5.7	30	w.	7	92	60	72	45	78
Huntington*	30.31	23	29.70	14	.....	25	nw.	8	85	56	70	....	16
Parkersburg	30.30	23	29.69	14	5.7	26	nw.	7	79	50	58	49	14
Petersburg, W.Va.*	30.41	22	29.69	14	.....	22	.....	7	87	55	66	....	44
Pittsburgh, Pa *	30.36	22	29.64	14	9.1	26	sw.	11	81	55	62	51	16

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR JUNE

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	71.2	.....	.....	3.40	5.40	4.97	5.02	0	.....	.....	.....	.....
1892	74.1	99	41	4.30	3.85	3.77	3.90	0	.....	.....	.....	.....
1893	70.2	99	40	2.06	3.51	4.87	3.81	0	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	0	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	0	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	0	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	0	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	0	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	0	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	0	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	0	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	0	12	11	13	6
1903	65.1	93	34	5.23	5.48	4.09	4.80	0	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	0	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	0	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	0	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	0	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	0	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	0	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	0	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	0	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	0	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	0	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	0	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	0	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	0	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	0	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	0	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	0	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	0	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	0	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.51	4.66	0	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	0	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	0	13	13	8	9
1925	72.2	109	35	3.23	4.50	2.98	3.51	0	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	0	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	0	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	7.37	0	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	0	8	16	9	5
1930	68.9	105	27	3.40	3.39	1.77	2.87	0	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	0	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	0	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	0	7	18	9	3
1934	74.3	106	41	2.94	3.88	3.07	3.45	0	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	0	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	2.41	0	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	0	13	12	11	7
1938	67.8	97	28	3.71	6.31	5.39	5.69	0	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	0	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	0	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	0	14	11	10	9
1942	71.4	99	35	4.16	5.38	5.32	5.17	0	14	9	13	8
1943	75.0	102	42	2.69	3.36	4.42	3.64	0	10	15	11	4
1944	71.9	103	28	2.91	5.61	2.90	4.19	0	11	13	11	6
1945	68.3	102	22	3.51	4.05	3.62	3.82	0	11	12	10	8
1946	69.0	92	29	4.39	6.34	4.50	5.27	0	11	12	10	8
1947	68.3	100	31	2.86	4.14	3.89	3.80	0	10	11	10	9
Period	69.8	109	22	3.90	4.64	4.39	4.45	0	11	13	10	7

Climatological Data for June 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	61.6	−1.9	88	10	31	1	3.05	−2.08	0.63	7	0	11	10	10	10	w.	Howard R. Fulk
Franklin	Pendleton	1,750	9	.....	.....	.....	.....	.....	.....	2.05	.....	0.62	14	0	8	...	...	...	.....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	3.85	+0.20	0.74	13	0	10	...	...	...	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	68.8	.....	96	11	42	1	2.77	.....	0.75	14	0	9	5	22	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	69.2	−2.7	98	11	42	4	4.13	+0.50	1.65	28	0	11	9	14	7	s.	University Exper. Station
Martinsburg	Berkeley	545	65	68.3	−2.7	94	11	45	1	2.63	−1.51	0.89	14	0	12	10	11	9	se.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	13	66.6	−1.2	99	11	34	1†	1.79	−1.81	0.69	26	0	8	8	14	8	w.	R. E. Saville
Petersburg	Grant	1,029	8	68.4	.....	97	11	41	1	2.95	.....	0.61	2	0	12	3	9	18	s.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	68.0	−0.1	92	10†	41	1	2.80	−1.20	0.91	7	0	11	10	8	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	46	69.1	−0.8	96	13	41	1	2.61	−1.21	0.86	8	0	15	12	13	5	.....	Marion W. Haines
Spruce Knob	Pendleton	4,550	16	.....	.....	.....	.....	.....	.....	5.69	+1.06	1.80	7	0	11	...	...	...	.....	Moses R. Bennet
Stony River Dam	Grant	3,300	16	.....	.....	.....	.....	.....	.....	3.84	−0.18	0.79	8	0	12	4	6	20	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	66.2	+0.7	96	11	40	1	1.82	−1.18	0.45	26	0	8	15	13	2	nw.	Reymann Memorial Farm
Means and Extremes		.....	....	**67.4**	.....	**99**	**11**	**31**	**1**	**2.86**	.....	**1.80**	**7**	**0**	**10**	**9**	**12**	**9**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	4.88	+0.52	2.10	8	0	10	5	20	5	w.	L. Esle Bond
Benson	Harrison	1,080	22	69.8	+1.1	93	11	40	1	4.25	−0.06	1.92	8	0	8	10	16	4	.....	R. D. Marts
Bens Run	Pleasants	652	46	71.6	+0.8	95	10†	46	1	4.12	−0.10	1.93	8	0	8	*25*	4	1	.....	Mrs C. W. Rea
Brandonville	Preston	1,798	6	64.4	.....	88	10	36	1	4.61	.....	1.75	7	0	10	...	...	...	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	68.2	−1.3	94	10	40	1	3.55	−0.76	1.80	8	0	10	10	16	4	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	67.2	−1.2	90	10	40	1	5.40	+0.69	3.17	8	0	11	8	14	8	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	70.0	−0.3	93	11	41	1	4.76	+0.26	2.68	7	0	8	*22*	4	4	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	61.2	.....	86	10†	33	1†	4.68	.....	1.73	8	0	10	3	22	5	w.	George B. Thompson
Clarksburg	Harrison	1,015	24	68.4	−1.0	92	10	40	1	2.28	−1.99	0.58	3†	0	9	15	9	6	se.	Clarksburg Water Board
Creston	Wirt	640	46	69.2	−1.6	92	10	42	1	2.81	−1.57	0.79	8	0	8	14	4	12	w.	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	69.9	.....	93	10	43	1	3.27	−1.07	1.60	8	0	14	17	5	8	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	4.42	+0.59	2.42	7	0	10	...	...	...	.....	Lockmaster
Dam 15 Mon. R	Marion	882	26	.....	.....	.....	.....	.....	.....	3.29	−0.70	0.66	8	0	11	...	...	...	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	2.49	−1.43	1.04	14	0	8	...	...	...	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	4.01	+0.02	1.05	10	0	7	...	...	...	.....	Lockmaster
Elkins	Randolph	2,006	48	65.0	−0.6	88	11	38	1	7.14	+2.08	4.20	8	0	11	4	10	16	se.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	69.8	−0.5	93	10	42	1	2.70	−1.71	0.86	7	0	12	11	8	11	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	70.2	−0.9	92	10†	43	1	3.25	−1.14	1.11	8†	0	10	7	13	10	w.	Fred W. Wells
Grafton	Taylor	1,100	53	66.2	−2.9	91	10	37	1	3.40	−0.73	0.87	7	0	12	11	12	7	sw.	William D. Myers
Harrison County Airport	Harrison	1,188	7	68.2	...	90	10	42	1	4.30	.....	1.00	8	0	10	5	11	14	sw.	U. S. Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	.....	.....	.....	3.99	−1.63	1.33	3	0	10	11	14	5	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	4.61	+0.54	1.74	8	0	10	...	...	...	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	6	60.9	.....	84	10†	34	1†	4.57	.....	0.97	8	0	13	...	...	...	.....	O. C. Hamilton
Mannington, 1½ mi. NW	Marion	974	45	68.2	+0.4	94	10	38	1	4.07	−0.21	1.18	7	0	14	12	11	7	sw.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	750	6	69.6	.....	93	10†	43	1	3.82	.....	1.96	2	0	7	15	7	8	se.	L. A. Crumrine
Morgantown	Monongalia	1,250	71	69.6	+0.3	92	10†	41	1	4.03	−0.21	1.42	8	0	9	18	8	4	.....	State Dairy Farm
New Cumberland	Hancock	671	52	68.8	+0.6	93	10†	43	4	3.73	−0.82	1.73	7	0	13	13	7	10	nw.	C. O. Valentine
New Martinsville	Wetzel	637	53	71.2	+0.1	94	10†	44	1	3.15	−0.96	0.92	14	0	9	14	14	2	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	71.2	−0.2	94	10	49	17	2.80	−1.20	1.05	14	0	7	4	13	13	sw.	Section Center
Parsons	Tucker	1,649	48	66.6	−0.3	91	11	38	1	4.58	−0.41	1.55	8	0	11	8	8	14	.....	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	4.28	−0.41	0.89	3	0	14	...	...	...	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	4.47	+0.16	1.74	8	0	8	17	7	6	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	67.8	.....	93	10	38	1	2.45	−2.92	0.59	7	0	8	..	...	...	ne.	W. H. Bolyard
Saint Marys	Pleasants	625	36	.....	.....	.....	.....	.....	.....	3.23	−0.94	0.96	8	0	8	...	...	...	.....	Edward Hughes
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	4.52	−0.59	1.03	7	0	9	...	...	...	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	70.3	+0.7	95	10†	41	1	4.11	+0.36	2.02	8	0	8	9	16	5	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	69.8	+1.8	93	10	35	4	5.92	+1.78	1.96	7	0	9	16	10	5	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	3.49	−0.78	0.81	2	0	9	...	...	...	.....	Scotland G. Highland
Weston	Lewis	1,026	56	72.0	+1.6	95	10	45	1	3.81	−0.53	1.56	8	0	12	...	...	...	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	669	63	68.8	−1.8	91	29	40	1	5.19	+1.30	2.46	7	0	10	13	13	4	sw.	Lockmaster
Means and Extremes		.....	....	**68.2**	.....	**95**	**10†**	**33**	**1†**	**4.14**	.....	**4.20**	**8**	**0**	**10**	**12**	**10**	**8**	sw.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	....	.....	.....	.....	.....	3.81	+0.06	1.22	2	0	12	11	12	7	w.	H. S. Sutton
Athens	Mercer	2,600	7	64.8	.....	90	10	41	15	3.36	.....	0.68	8	0	12	10	14	*6*	sw.	Concord College
Bluefield	Mercer	2,558	52	68.6	−1.5	92	10	44	1†	3.51	−0.72	0.78	29	0	12	15	4	11	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	70.8	.....	100	10	45	1	1.86	.....	0.40	28	0	11	14	7	9	.....	Willard F. Russell
Charleston	Kanawha	615	60	72.2	−0.9	96	10	46	1	4.63	+0.24	2.09	8	0	10	16	6	8	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	70.6	.....	95	10	44	1	4.95	.....	2.61	8	0	10	5	13	12	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	60.4	.....	88	9	31	3†	4.15	.....	0.85	2	0	12	4	*16*	10	w.	Department of Justice
Flat Top	Mercer	3,270	9	63.4	.....	86	10†	39	23	2.91	.....	0.72	14†	0	11	8	8	14	sw.	U. S. Airway Station
Gary	McDowell	1,426	30	*69.6*	+0.3	95	10	42	1	2.97	−2.10	0.78	29	0	10	...	...	...	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	70.4	.....	93	10	42	1	6.28	.....	3.07	8	0	13	8	9	13	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	68	71.9	+1.4	100	11	45	1	1.82	−2.48	0.30	20	0	9	...	...	...	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	72.9	0.0	95	10	48	1	7.71	+3.48	4.10	8	0	13	10	13	7	sw.	H. N. Robinson
Kayford	Kanawha	1,336	30	.....	.....	.....	.....	.....	.....	2.84	−2.35	0.50	8	0	12	...	...	...	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	66.0	−1.2	92	10†	39	23	3.05	−0.89	0.85	28	0	14	18	2	10	w.	Prof. H. B. Graybill
Logan	Logan	700	34	72.4	−1.2	96	11	46	1	4.38	−0.51	1.04	8	0	14	18	*6*	6	.....	J. W. Ruff
London Locks	Kanawha	623	12	70.2	.....	95	10	43	1	4.38	+0.08	1.42	8	0	12	...	...	...	w.	Lockmaster
Madison	Boone	675	26	70.7	−1.6	93	11	44	1	4.62	+0.46	1.46	8	0	11	10	16	4	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	66.9	.....	90	10†	36	1	3.20	.....	0.85	8	0	13	12	4	14	.....	M. H. Martin
Pineville	Wyoming	1,350	5	67.6	.....	92	10†	40	1	3.89	.....	0.89	14	0	11	...	...	...	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	72.0	−0.4	93	10	49	1†	3.65	−0.43	1.10	8	0	12	13	7	10	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	16	66.6	+1.1	92	10	34	23	2.80	−2.30	0.63	8	0	12	14	5	11	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	70.8	+0.3	91	29†	45	1	3.62	−0.62	1.08	9	0	8	11	11	8	sw.	Lockmaster
Richwood	Nicholas	2,193	16	63.8	−4.6	90	10	34	1	4.26	−0.83	1.23	8	0	9	13	2	15	.....	Richwood Water Co.
Ripley	Jackson	610	5	.....	.....	.....	.....	.....	.....	.....	.....	.....	...	...	...	...	...	...	.....	.....
Spencer	Roane	789	48	69.4	−0.3	91	10	43	1	3.17	−1.34	1.08	13	0	10	8	16	6	.....	A. M. McKown
Summersville	Nicholas	1,900	11	64.7	.....	91	9†	37	1†	3.34	.....	1.17	7	0	7	6	20	4	.....	A. E. Dorsey
Sutton	Braxton	850	44	71.2	−0.1	96	10†	41	1	2.81	−2.15	0.66	26	0	8	...	...	...	.....	C. B. Eakle
Union	Monroe	2,200	43	66.2	−1.6	94	11	39	4†	3.36	−0.63	0.76	14	0	12	19	2	9	w.	Thelma F. Spangler
Webster Springs	Webster	1,600	15	69.2	.....	92	11	42	1	3.16	.....	1.10	8	0	8	21	3	6	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	66.4	−1.6	94	11	39	1†	2.49	−1.49	0.95	14	0	8	7	14	9	w.	Greenbrier Hotel
Williamson	Mingo	673	46	72.6	0.0	98	10	45	1	3.53	−1.24	1.29	28	0	8	13	9	8	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	70.7	.....	93	10†	44	1	4.31	.....	1.61	8	0	11	13	9	8	w.	Lockmaster
Means and Extremes		.....	....	**68.8**	.....	**100**	**10†**	**31**	**3†**	**3.89**	...	**4.10**	**8**	**0**	**11**	**12**	**9**	**9**	w.	
State Averages and Extremes		.....	....	**68.3**	**−1.5**	**100**	**10†**	**31**	**1†**	**3.80**	**−0.65**	**4.20**	**8**	**0**	**10**	**11**	**10**	**9**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for June 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		T.	.52			.09	.63	.27					.01	.48				.20						.11	T.	.44		.22		.08		3.05
Brushy Run[3]	do.			.34				.14	.44	.37		.02	.08	.37	.61	.07				.11						T.		.12		.10			2.72
Franklin	do.			.30						.29				.30	.62	.22			T.	.11					.10	.11							2.05
Harpers Ferry[2]	do.							.49	.42	.20				.74	.64	.38				.05					.01		.50		.42				3.85
Iuwood	do.							.50	.20			.27		.13	.75				.24								.22		.41	.05			2.77
Knobly Mountain[2]†	do.				.45			.47	.03	.70					.06	.14			.04						.29	.07	1.65	T.					4.13
Martinsburg[4]	do.		.03				.01	.49	.07		.09	.04		.30	.89					.10					T.		.61		T.				2.56
McNeill†	do.		T.	.06				.13	.43					.09	.17				.02						.02	T.	.35		.32		T.		2.63
Petersburg	do.		.61				.25	.04	.53		.09			.32	.17				.15							T.	.69		.07		T.		1.79
Piedmont	do.			.25			.03	.91	.72			.02			.26				.10					T.	.07		.58		.04		.15		2.95
Romney	do.				.01		.03	.80	.86	.01		.17		.02	.09	.01			.04	.04						.06		.25		.02				2.80
Springfield	do.			.14				.90	.13	.44					.06	.12			.09			.01			.02		.45	.01	.03				2.61
Spruce Knob[2]†	do.			.48	.23		.18	.46	1.80	.43	T.			.87	.43	.17				.09	T.	T.			.05				.32				2.25
Stoney River Dam[2]†	do.			.28				.42	.79	.58					.25	.27			.05	.18						.28		.36	T.				5.69
Wardensville[2]	do.			.09				.10	.11	.20			.44		.33				T.	.10					T.		.38	.30	T.	.05	.29		3.84
Northern Division																											T.	.45	T.				1.82
Aberdeen†	West Fork			.74			.04	.16	2.08	.02				.10	.15				.39						T.		.52		.68		T.		4.88
Belington[2]	Tygart			.56	.05		T.	.13	1.12	.90						1.07			T.	.47					T.	.12	.06	.91	T.	.14	T.		5.53
Benson†	West Fork			.90				.05	1.92						.47				.27								.56		.05	.03			4.25
Bens Run	Ohio		.24	.51			.02	.45	1.93					.04	.87				.06											T.	T.		4.12
Big Skin Creek	West Fork		.34			.44	.15	.20	2.23						.27				.33	.01							.48		.26				4.71
Brandonville[2]	Cheat			.37			.26	1.75	.56	.59					.16		.08			T.					.06		.10				.68		4.61
Brownsville†	West Fork			.42			.11	.06	1.80	.08					.24				.33		.01						.29		.21				3.55
Buckhannon	Tygart		.12	.43		T.	.13	.18	3.17	.02					.38				.41								.33		.22		.01		5.40
Cairo	Litl. Kanawha		.07	.40				1.03	1.65	T.					.95				.19								.43		.04				4.76
Canaan Valley	Cheat			.35			.47	.37	1.73					.15	.22				.32								.59		.12		.36		4.68
Clarksburg[2]	West Fork			.58				.23	.28	.30					.10	.05			T.	.11							.41		.22				2.28
Crawford	do.		.24	.55				.62	2.24						.44				.32								.42		.12				4.95
Creston[2]	Litl. Kauawha			.75				.40	.39	.51					.39	.17				.08	T.									.12				2.81
Dailey[2]†	Tygart			.34	.01		T.	.11	1.95	.97					.02	.15			T.	.24					T.	.07	.62	.02	.02	.19	T.		4.71
Dam 10, Mon. R.[2]†	Monongahela			.23	.01		•	.70	.77	.83					.22	.22			.01	.05							.01	.14		.07	.01		3.27
Dam 13, O. R.[2]†	Ohio		T.	.31				2.42	.14	.28					.30	.67			.06								.14	.09			.01		4.42
Dam 15, Mon. R.[2]†	Monongahela			.63				.56	.46	.66					.08	.21			T.	.19					.10		.32		.07	.01			3.29
Dam 19, O. R.[2]†	Ohio			.26				.13	.76	.10					1.04	.07			.04	.09										T.			2.49
Dam 20, O. R.[2]†	do.			.71					.19	.65	1.05					.94	.16			T.	.31							T.		T.			4.01
Elk†	West Fork			.65				.12	.98						.12				.32								.48		.35				3.02
Elkins[1]†	Tygart		.28	.15	T.		.52	.68	3.62					.01	.16				.37						.07		.85		.43		T.		7.14
Fairmont[2]	Monongahela		.40	.36			.06	.86	.26					.02	.07				.19						.19	.20			.07		.02		2.70
Glenville[2]	Litl. Kanawha			.61	T.		.03	.12	1.11	.05					.72	.39			.04	.15							.03	T.					3.25
Grafton	Tygart		.27	.16			.37	.87	.50					.02	.22				.25						.09		.42	.02	.21				3.40
Hackers Creek†	West Fork			1.10			.63		1.33					.07	.18				.25	T.							.58		.19				4.33
Hall[2]	Tygart			.87	.03		.03	.02	1.41	1.04	T.					.13			.03	.42							.22	.49	.02	.22	T.		4.93
Harrison Co. Arpt[4]	West Fork		.69	.02			.33	.47	1.00					.10	.42		T.	T.	.19								.86		.22		T.		4.30
Hastings	Ohio	.03		1.33			.22	.35	.95					.06	.58				.22	.05							.20						3.99
Horner	West Fork			.66						2.50	.80			.10				.50							.20		.35						5.11
Ireland	do.			.98	.08			.24	1.46	.44							32								.24	T.			T.			3.76
Jane Lew	do.			.90			T.	.50	1.74	.02				.07	.19				.26						T.	.64		.28	T.	.01			4.61
Kumbrabow St.For.†	[2]Tygart			.65	.01		.65	.47	.97						.30		.01		.25	.05							.93		.22	.05	.01		4.57
Mannington	Monongahela		.21	.44			.10	1.18	.53	.01				.58	.47	.01			.21	.01							.29		.02		.01		4.07
Middlebourne[2]	Middle Is. Crk.			1.96				.20	.79	.03					.13	.47				.12					T.		.12						3.82
Midvale[2]†	Tygart			.80	.08		.18	.25	3.02	.86						.56			.05	.44							.40	.90	.04	.15	.01		7.74
Morgantown	Monongahela		T.	.30			.06	1.15	1.42					.02	.52				.08								.44				.04		4.03
Mt. Clare	West Fork		.44	.15			.06	.60	.40						.40				.27								.63		.77				3.72
New Cumberland	Ohio		.29	.47	T.		.05	1.73	.17			.07	.06	.44			.09		.04						T.	.16		.05	.11				3.73
New Martinsville	do.		.13	.15			T.	.87	.59					.12	.80				.03								.43			.03			3.15
Parkersburg[1]‡	do.		.55				T.	.54	.32					.05	1.00		T.		.11								.23	T.	T.	T.	T.		2.80
Parsons	Cheat			.36			.12	.48	1.55	.04				.01	.76	T.			.31	T.				T.		.60	.07	.28		T.		4.58
Philippi[2]	Tygart			.86	.03		T.	.11	.30	.29					.72	.17			.02	.29					.04	.27	.33	.01	.84				4.28
Roanoke	West Fork			1.20			.09	.71	1.74						.21				.28	.01					T.		.23			T.			4.47
Rockford†	do.			.58			.32	.35	1.70					.44	.21				.27								.75		.48				5.10
Rowlesburg[2]	Cheat			.37	T.			.59	.26	.19					.02	.39				.25					T.	T.	.38	T.		T.			2.45
Saint Marys[2]	Ohio			.81				.15	.96						.44	.46				.12					.27					.02			3.23
Salem	West Fork		.54	.15			.16	.52	.17					.11	.60				.19							1.02						3.46
Sand Fork	Litl. Kanawha			.49	.02			.58	2.18						.38				.30	T.				T.		.60	.35					4.90
Shinuston	West Fork			1.58			1.00	.35	.10					.42	.10				.22							.23				.01		4.01
Thomas[2]	Cheat			.48	.04			1.03	.76	.66						.54			T.	.24							T.	.69	T.	.08			4.52
Upper Davisson Run	West Fork		.37	.14				.55	.18	.01				.40	.21				.14								.56		.04		.01		2.61
Valley Chapel	do.			1.03				.20	2.02	.23									.24								.33		.05		.01		4.11
Valley Head[2]	Tygart			.84	.02		.12	.27	.65	.11				1.01	.06	.78		.02	.15						.08		.14	.08	.04				4.37
Vandalia†	West Fork		.30	.21			.06	.21	.02	.50					.20			.30									.60		.30		.20		2.90
Wellsburg (near)	Ohio		.11	.57			.31	1.96	1.40					T.	.70				.23								.58		.06	T.			5.92
West Milford	West Fork			.81				.72	.39	.05				.02	.18				.25								.62		.45				3.49
Weston[2]	do.			.32	.08		.08	.41	1.56	.74					T.	.22				.38							.04	.10	.15	.10			3.81
Wheeling (Dam 12)[2]	Ohio		T.	.24				2.46	.22	.28					.25	1.41			.07	T.							.11	.12	T.	T.	.03		5.19
Southern Division																																	
Arbovale	Greenbrier			1.22			.08	.12	.85			.06	.30	.77					.04		.01			.05		.25		.06					3.81
Athens	New			.03					.54	.14	.07			.30	.50				.10	.27	.33					.04		.54		.50			3.36
Bluefield	do.			.15					.17					.37	.39	.15			.02	.44	.14		.03			.26		.61		.78			3.51
Bluestone Dam	do.			.04	T.				.26	.01		.03		.28	.21	.13				.05	.25	T.						T.	.40		.20			1.86
Camden-on-Gauley[2]	Gauley			.67	.02		•		1.38						.05	.63			.18									.49	.17				3.59
Charleston	Gr. Kanawha			.67			.04		1.16	.93					.98	.51			.12	.04	T.						.15		T.		.13		4.63
Charleston Airport[4]	do.		.53	.02			.26	T.	2.61					.55					.17	T.							.14	.10	.02	T.	T.		4.95
Coalwood	Big Sandy		.02	.21					.18				.20	.55	.80				.13	.31	.14						.03	.77		.11	.71		4.16
Cranberry Glades	Cranberry		.85	.10			.05		.75	.03	.54				.20	.47		.11	.15		.10						.80						4.15
Flat Top[4]	New		.01	.07					.36	T.			.14	.34	.72				.02	.36	.17						T.	.16	.56				2.91
Gary[2]	Big Sandy			.25					.07			.25		.38	.23	.43				.25	.28							T.		.78	.05		2.97
Hamlin	Mud			.35			.02	.06	2.07	.10					1.19	.02			.28	.04	.03						.85	.15	.12				6.28
Hinton[2]	New			.15					.22	.05		.15		.22	.22					.23	.30							T.	.28				1.82
Hogsett	Ohio			.68			.69	.32	1.28	.11					1.25	.01			.03	.09	.03								.10	.11	.09		4.79
Huntington	do.		.73	.32			.11	.13	4.02					.16	.35				.15	.05						.30		.83	.07	.49			7.71
Kayford[2]	Gr. Kanawha	.12			.30			.25	.50		.15		.40			.35		.20		.10	.04							.30		.13			2.84
Lewisburg	Greenbrier		.01	.21					.25	.13			.03	.08	.73				.08	.01	.46			.01		.05		.85		.15			3.05
Logan[2]	Guyandot		T.	.51	T.				.80	.24				.33	.75	.10			.05	.18	.31					.05	.02	.63	.36	.05			4.38
London Locks[2]†	Gr. Kanawha			.32	.01		.11		.99	.43					.28	.93			.04	.12						.40	.31	.44					4.38
Madison[2]	Coal				.15				1.46	.49					.74				.16	.22	.06					.79	.18	.35	.02				4.62
Oak Hill	New		.34				.02	.05	.85	.13				.02	.05	.59				.10	.04						.18	.79		.04			3.20
Pineville[2]	Guyandot			.03	.06					.55	.26			.22	.66	.23				.20		.48				T.	.85	T.	.35				3.89
Point Pleasant[2]	Ohio	T.	T.	.95	T.		.07	.02	1.10	.05					.35				.07	.10						.02		.42	.11	.39			3.65
Princeton[2]	New			.03						.56					.54	.28				.22	.27							.41					2.31
Rainelle	Greenbrier		T.	.46			.02		.63	.25		.05	.51	.35	.02				.07	T.	.07		T.				.31		.06			2.80

Continued on next page.

Daily Precipitation for June 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio			.38				.03	.72	1.08					.90	.35				.10									.06				3.62
Richwood [2]	Gauley			.87					1.23	.12				.23	T.	.54				.19								.29	.72		.07		4.26
Ripley	Ohio																																
Spencer [2]	Litl.Kanawha			.70				.02	.68	.29				1.08		.17			.03	.11	T.						.04		.05				3.17
Summersville [2]	Gauley	.55						1.17	.15					.02				.02									.75	.68					3.34
Sutton	Elk			.37					.60	.47					.42				.19	.03							.66		.07				2.81
Union [2]	New			.01					.23				.42	.46	.76	.46		.02		.11	.35	T.				.01			.50		.03		3.86
Wayne [2]	Twelvepole			.39			.03		2.30	.95					1.57	.18			.21	.32	.08						T.	.19	.41	.57	.01		7.21
Webster Springs	Elk			.63			.06		1.10	.08					.35				.24									.57	.13		T.		3.16
White Sulp'r Spgs.	Greenbrier			.45					.30					.15	.95				T.	T.	.40	T.			.02		T	.20		.02			2.49
Williamson [2]	Big Sandy			.25				.52							.45	.14			.33	.38									1.29		.17		3.53
Winfield Locks [2†]	Gr. Kanawha			.58			.04		1.61	.77					.68	.13			.04	.10								.17	.08	.11	T.	T.		4.31

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for June 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	73	71	67	76	82	84	85	85	82	90	88	82	77	71	73	63	71	70	63	63	65	63	69	73	77	78	84	77	85	88	....	75.8
	Minimum	43	52	56	42	52	60	60	59	57	59	65	61	65	55	41	49	46	44	49	55	57	44	46	49	59	58	54	61	58	62	....	53.9
Bayard	Maximum	79	77	60	70	80	78	84	77	79	88	85	85	80	76	69	61	69	61	68	69	71	70	77	70	74	75	82	75	84	79	..	75.1
	Minimum	31	47	48	40	39	54	59	58	45	49	60	58	57	60	47	50	38	51	43	40	39	39	35	48	50	50	48	53	50	56	..	48.1
Bluefield	Maximum	83	84	77	77	83	86	86	86	85	92	90	89	78	78	74	76	74	73	71	66	60	65	76	77	79	81	85	85	84	87	....	79.6
	Minimum	44	62	58	44	59	62	66	62	63	64	64	64	68	64	49	52	50	51	60	59	54	54	46	47	54	61	57	62	62	66	....	57.6
Buckhannon	Maximum	82	79	64	78	82	83	85	78	82	90	88	87	86	78	73	65	73	67	71	74	77	76	79	78	77	80	85	81	86	85	....	78.4
	Minimum	40	54	52	45	48	61	64	63	57	59	66	62	62	65	51	54	43	57	55	56	47	51	42	51	52	57	53	65	61	66	..	55.3
Charleston (Airport)	Maximum	87	84	66	83	88	87	90	79	88	95	93	90	90	74	78	66	78	70	74	82	80	82	84	84	89	84	91	85	93	90	....	83.2
	Minimum	44	57	50	51	54	64	67	63	63	68	66	66	63	58	51	51	51	59	62	61	53	51	47	52	54	62	60	65	65	68	....	58.0
Clarksburg [3]	Maximum	85	80	65	80	85	83	87	78	84	92	89	90	89	74	73	67	76	65	73	77	80	76	85	78	80	81	87	79	88	86	....	80.4
	Minimum	40	50	53	50	50	58	65	64	61	59	64	65	66	67	54	56	49	56	54	54	47	49	52	48	51	56	60	56	61	64	67	56.4
Cranberry Glades	Maximum	77	71	58	71	76	82	74	81	88	83	85	84	79	72	76	70	66	63	69	60	65	70	71	71	84	78	81	80	81	82	..	74.9
	Minimum	32	47	31	54	37	49	51	55	46	51	55	51	49	53	41	41	36	45	52	39	58	31	40	39	45	56	53	50	49	....	....	46.0
Elkins	Maximum	83	76	64	79	82	80	84	77	80	88	88	85	82	74	72	59	71	60	70	70	74	73	78	75	76	75	82	77	85	84	....	76.7
	Minimum	38	52	49	47	50	60	62	60	58	56	64	61	62	56	51	48	46	55	52	48	44	46	40	48	49	55	55	60	63	62	..	53.2
Fairmont [3]	Maximum	84	81	64	81	85	84	89	78	85	91	92	90	77	76	68	77	65	78	79	82	81	85	82	81	83	90	85	92	88	....	....	82.2
	Minimum	42	57	53	49	52	66	65	66	58	60	67	65	61	68	54	55	49	56	52	49	49	51	48	56	56	61	57	65	64	69	..	57.3
Flat Top	Maximum	77	74	66	72	78	80	82	77	79	86	86	86	70	69	70	62	68	68	64	60	63	66	70	74	73	75	80	73	82	78	....	73.6
	Minimum	42	54	51	40	51	54	60	56	60	55	62	61	62	61	47	50	43	50	56	52	51	51	39	44	49	56	52	60	61	62	....	53.1
Gary [3]	Maximum	86	82	70	83	85	89	90	86	88	95	93	92	85	77	77	68	76	76	69	74	73	75	80	81	82	82	91	90	90	87	....	82.4
	Minimum	42	53	60	47	51	56	60	61	63	62	66	65	64	65	49	53	51	54	60	60	58	56	43	46	53	59	58	62	63	67	....	56.2
Glenville	Maximum	87	83	67	82	86	85	88	79	85	92	92	90	89	77	75	71	75	70	74	81	83	82	84	82	80	84	89	86	90	89	....	82.6
	Minimum	43	57	54	51	52	64	65	65	62	61	68	65	64	67	55	55	49	59	57	49	50	50	46	52	56	60	58	67	63	69	....	57.8
Grafton	Maximum	82	81	63	78	84	83	86	78	82	91	89	87	89	78	72	64	74	67	71	76	78	77	81	78	77	80	86	80	87	85	....	79.5
	Minimum	37	50	50	46	45	59	63	60	63	57	62	60	60	65	48	42	45	55	52	42	45	44	42	54	50	55	55	60	60	63	..	53.0
Huntington	Maximum	89	82	72	81	89	88	91	81	88	95	93	92	92	79	82	78	76	74	74	83	83	81	85	83	82	87	92	88	90	88	....	84.6
	Minimum	48	63	56	50	52	66	70	65	66	67	69	69	67	69	57	58	51	61	62	59	58	60	52	56	60	60	63	68	67	67	....	61.2
Lewisburg	Maximum	82	79	70	76	84	87	88	83	85	92	92	90	75	78	79	66	74	72	70	65	68	70	76	75	80	82	86	81	87	86	....	79.3
	Minimum	42	49	55	41	44	55	58	59	55	55	63	60	60	62	44	50	43	51	57	54	49	55	39	44	47	56	51	62	57	61	....	52.6
Logan [3]	Maximum	91	85	63	86	91	92	93	85	91	95	96	94	85	78	81	68	77	77	73	83	78	80	85	83	85	89	93	87	90	91	....	84.8
	Minimum	46	55	59	54	56	63	65	63	66	66	68	67	67	67	53	55	52	52	62	59	58	60	50	51	56	59	63	66	68	70	....	59.9
Madison [3]	Maximum	87	83	62	84	88	89	90	84	87	92	93	90	88	74	79	66	76	73	72	81	78	80	84	83	81	84	89	84	92	90	....	82.8
	Minimum	44	55	55	52	54	64	64	62	64	63	67	66	67	67	50	56	51	53	60	58	55	54	47	52	55	61	61	65	66	69	....	58.6
Mannington	Maximum	85	81	69	83	86	86	88	74	87	94	93	91	90	76	72	70	77	72	73	81	86	82	84	84	82	86	89	85	92	89	....	83.1
	Minimum	38	50	51	47	45	59	64	62	56	56	61	62	58	66	50	53	47	55	48	44	45	44	42	50	52	57	55	60	60	65	....	53.4
Martinsburg	Maximum	80	81	71	73	77	85	85	78	81	90	94	90	73	76	80	68	78	67	76	77	71	79	84	80	83	79	88	76	87	84	....	79.7
	Minimum	45	56	55	46	47	65	65	59	57	59	67	66	65	64	54	55	50	55	51	54	51	48	49	55	60	58	58	64	64	66	....	56.9
Middlebourne	Maximum	85	80	70	78	85	84	88	80	85	93	90	87	91	77	71	71	71	67	74	79	80	78	84	83	81	83	90	85	93	90	....	81.8
	Minimum	43	52	55	47	51	64	67	64	60	61	66	67	61	68	58	54	49	61	52	46	48	53	46	52	58	62	58	66	64	69	....	57.4
Morgantown	Maximum	83	83	71	81	84	84	87	77	83	92	92	87	91	75	75	68	77	67	72	83	81	81	82	78	80	83	87	83	90	86	....	81.4
	Minimum	41	58	59	48	52	68	63	62	58	60	69	68	60	63	55	55	54	58	53	47	49	51	49	59	60	61	59	63	63	69	....	57.8
New Martinsville	Maximum	85	80	68	75	84	87	87	80	87	94	93	89	92	80	73	69	80	72	75	82	84	82	87	87	81	86	90	90	94	93	....	83.5
	Minimum	44	57	54	49	61	66	67	65	61	61	65	66	61	68	55	55	50	55	50	49	50	54	48	53	68	63	69	67	65	69	....	58.8
Parkersburg	Maximum	85	79	70	79	87	87	90	81	85	94	91	85	87	74	73	68	76	68	73	79	81	80	83	85	80	84	90	86	94	90	....	82.1
	Minimum	49	59	55	49	59	70	67	67	62	67	71	67	64	60	58	54	49	61	53	53	56	60	52	55	64	65	60	67	66	70	....	60.3
Petersburg	Maximum	87	85	66	78	83	86	91	85	87	95	97	93	76	78	80	67	77	64	77	74	74	77	83	74	85	86	89	83	89	86	....	81.7
	Minimum	41	60	48	44	46	64	65	61	59	57	68	63	64	63	51	51	44	58	51	51	45	47	43	55	54	57	58	63	63	62	....	55.2
Point Pleasant	Maximum	85	84	74	79	87	87	89	82	86	93	91	87	90	78	75	73	78	74	74	82	84	84	84	81	84	90	87	92	88	....	....	83.5
	Minimum	49	65	54	49	58	68	70	66	63	67	70	67	64	65	57	54	51	62	60	54	55	56	51	55	63	66	62	67	65	69	....	60.6
Rainelle	Maximum	85	81	71	77	84	86	87	82	85	92	91	88	75	75	75	73	74	69	73	68	71	73	79	79	80	81	87	80	88	86	....	79.8
	Minimum	37	50	52	44	60	70	57	58	57	58	60	58	59	62	44	52	42	49	56	55	56	57	34	45	47	52	52	61	59	60	....	53.4
Spencer	Maximum	86	80	63	81	86	87	90	86	85	91	90	88	87	73	76	63	74	66	72	80	80	79	81	82	79	85	89	84	90	88	....	81.4
	Minimum	43	59	54	49	51	55	66	64	63	62	68	65	65	67	54	55	47	53	59	52	51	52	46	51	57	62	57	66	61	70	....	57.5
Summersville [3]	Maximum	79	75	80	83	84	86	86	83	91	91	87	81	73	70	59	72	56	71	72	76	70	79	80	77	73	85	78	85	83	83	..	78.3
	Minimum	37	49	44	44	53	53	59	58	54	60	58	58	63	41	52	44	44	53	55	42	44	37	43	45	53	58	61	57	62	57	....	51.1
Sutton	Maximum	88	90	90	84	89	90	92	92	90	96	96	95	93	91	84	76	77	77	76	80	82	83	86	86	85	85	92	92	93	93	..	87.4
	Minimum	41	54	52	50	48	58	62	61	60	60	65	63	62	64	48	54	47	55	58	52	48	47	47	48	50	55	55	64	60	64	....	55.1
Wardensville [3]	Maximum	84	83	69	73	80	85	93	85	85	92	96	90	72	79	79	67	72	65	71	74	71	76	83	72	83	82	87	81	86	85	....	80.0
	Minimum	40	57	58	42	42	55	63	52	55	55	66	60	62	64	48	48	42	57	49	48	45	42	41	49	51	54	55	50	59	63	....	52.4
Wheeling [3]	Maximum	80	78	70	79	83	79	85	79	83	90	89	81	90	75	68	73	76	66	73	79	80	80	85	83	80	82	87	87	91	85	....	80.5
	Minimum	40	53	53	45	45	60	65	65	60	61	63	61	58	68	59	55	55	57	50	49	50	52	52	54	58	65	61	64	66	68	....	57.1
White Sulphur Spgs.	Maximum	79	77	76	77	84	86	89	88	86	90	94	90	89	80	78	77	73	70	69	68	69	72	80	78	80	82	86	85	88	88	....	80.9
	Minimum	39	49	59	42	44	55	57	54	57	55	51	59	61	64	42	48	45	49	57	51	50	44	39	48	48	54	55	63	59	61	....	52.0
Williamson [3]	Maximum	89	86	64	88	92	93	94	86	93	98	97	95	89	77	78	70	80	80	72	83	77	82	85	83	86	89	94	87	92	90	....	85.6
	Minimum	45	53	62	51	56	62	63	66	65	67	66	66	65	68	52	55	52	55	62	60	62	59	47	51	56	58	62	66	67	70	....	59.6

Daily Evaporation (inches) and Wind Movement (miles) for June 1947

Clarksburg	Evaporation	.177	.206	.125	.055	.150	.142	.123	.186	.161	.141	.109	.389	.136	.114	.101	.314	.091	.119	.020	.182	.150	.308	.314	.185	.214	.173	.140	.089	.180	.164	....	4.958
	Wind movement	24	44	89	38	26	40	51	77	47	32	19	19	103	49	81	90	39	33	18	42	55	96	76	39	50	56	40	34	18	32	....	1,457
Wardensville	Evaporation	.257	.340	.174	.171	.266	.256	.147	.279	.189	.190	.204	.264	.225	.025	.013	.332	.130	.166	.086	.201	.168	.110	.230	....	....	....	....	....	.247	.340	....	5.981
	Wind movement	77	25	56	40	30	38	35	36	22	13	22	29	19	30	58	46	25	15	12	17	32	29	22	22	37	25	23	22	21	25	....	903

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—10-15-47—1050)

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CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

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VOL. LV JULY 1947 No. 7

GENERAL SUMMARY

This July was the second coldest July of record. Its mean temperature of 69.2° was the lowest since the first year of record, 1891, when the mean temperature of 67.5° was recorded. The minimum temperature of 30° on the 24th is the lowest temperature ever recorded in the State in July.

The average precipitation for the State of 4.46 inches was 0.15 inch below normal. However, the northeastern panhandle division and the northern division averaged considerably above normal while the southern division had a deficiency of 1.14 inches. At Moundsville on the 11th at 4:30 p. m., strong winds caused considerable damage to roofs, utility poles, and trees, and heavy rains washed out gardens. On the 12th, in Boone County, a boy was killed by lightning and his two companions were injured. On the 14th, at Sugar Grove and vicinity, a loss, estimated to be $48,000, resulted from heavy rains and a flash flood which damaged crops and buildings and caused the loss of much livestock. On the 27-28th, from Point Pleasant northeastward to Clarksburg, heavy thundershowers and some hail caused damage to the extent of $300,000 or more. The rains washed gardens away, damaged city streets and highways, undermined foundations and retaining walls and flooded basements.

From the agricultural viewpoint, July was a fairly satisfactory month. During the first week much good hay was made in the warm dry weather. However, pastures began to suffer. The second week was cool with rather general rains which caused a halt in haymaking although it was a great help to pastures and to second growth in the meadows. Frequent showers in the third week hindered haying and wheat harvesting. Oats began to get ripe. During the last decade, most of the wheat was threshed, apple and peach picking was underway in all sections, and early potatoes were turning out satisfactory yields. The month ended with pastures mostly good, corn showing a good green color and making excellent growth, and oats practically all cut with wide variation in yields. Farm water supply was adequate in most places throughout the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 69.2°, or 3.9° below the normal. The mean for the northeastern panhandle division was 70.2°; for the northern division, 69.1°; and for the southern division, 69.0°. The highest monthly mean was 73.4° at Huntington; and the lowest, 60.2° at Cranberry Glades. The highest temperature was 100° at Hinton on the 31st; and the lowest, 30° at Cranberry Glades on the 24th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 105 stations, was 4.46 inches, or 0.16 inch below the normal. In the northeastern panhandle division, the average was 4.34 inches; in the northern division, 5.60 inches; and in the southern division, 3.45 inches. The greatest monthly precipitation was 9.58 inches at Salem, and the least, 1.27 inches at Clay. The greatest amount in any 24 consecutive hours was 4.85 inches at Dam No. 19, O. R., on the 27-28th. The average number of days with 0.01 inch or more of precipitation was 13.

Errata: Data published for Clay in March 1947 were for February 1947. May 1947. Page 18: Wellsburg. Greatest Precipitation in 24 hours, 0.92 inch on 18th.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	3	4	5	5	2	..	1	1	..	6	1	1	2	1	..	..	3	1	..	2	5	2	6	6	9	5	..	1	8	4	1
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	1	..	..	..	1	..	..	1	1	..	..	2	1	1	..	2	..	..	1	1	..	..	..	..	..	..	..	..	..	9
Hail	..	..	..	..	..	..	1	..	3	1	..	1	1	2	..	..	..	..	..	1	4	..	..	..	..	..	..	1	4	1	2
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	12	4	..	1	..	3	9	..	19	21	26	14	9	15	21	25	25	11	5	..	19	14	1	..	..	1	21	16	..	1	37

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of sunshine	Degree days
Columbus, Ohio	30.42*	25*	29.73*	18*	7.9	30	n.	8	87	62	69	59	7
Elkins*	30.46	25	29.74	19	4.9	29	nw.	31	95	57	72	44	46
Huntington*	30.41	25	29.76	15	.....	23	w.	31	88	52	72	....	5
Parkersburg	30.42	25	29.72	18	5.5	38	nw.	21	85	53	63	48	7
Petersburg, W.Va.	30.45	25	29.73	19	.....	30	n.	31	88	50	66	....	6
Pittsburgh, Pa *	30.40	25	29.70	19	8.4	33	nw.	1	83	59	66	49	16

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR JULY

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	67.5	..	..	5.08	6.57	3.50	5.59	0.0	..	..	..	..
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	..	..	..
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.52	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	13.32	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	**7**
1900	74.7	104	41	3.38	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	93	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	**3**
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	**7**
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	**3.58**	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	**7**
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	**6**
1925	72.2	102	31	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	8.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	**17**	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	**10**	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	**5**
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	**12**	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	**72.1**	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	7
1942	73.9	103	41	2.89	4.68	4.91	4.44	.0	12	13	12	6
1943	73.4	101	34	5.22	8.17	5.15	6.56	.0	13	10	**13**	8
1944	72.6	102	34	2.39	3.13	2.18	2.65	.0	8	16	10	5
1945	72.2	100	34	6.27	5.50	5.30	5.54	.0	12	12	12	7
1946	72.5	100	35	2.66	3.03	3.65	3.20	.0	9	15	9	7
1947	69.2	100	**30**	4.34	5.60	3.45	4.46	.0	13	12	11	8
Period	73.1	112	30	3.84	4.74	4.59	4.61	.0	11	14	11	6

Climatological Data for July 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	63.8	−3.8	87	1	34	24	3.19	−1.05	0.74	19	0	9	13	10	8	w.	Howard R. Fulk
Franklin	Pendleton	1,750	9	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	..	.....	.....	.....	.....	.....	4.20	+0.70	0.73	13	0	13	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	72.5	−2.2	95	30	46	24	3.81	+0.26	.....	.....	0	11	7	21	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	72.4	−3.7	95	30	46	4	6.71	+3.52	2.26	22	0	17	10	17	4	se.	University Exper. Station
Martinsburg	Berkeley	546	55	71.6	−4.1	92	1	49	24	5.79	+2.17	1.08	22	0	18	13	4	14	sw.	U. S. Weather Bureau
McNeill, 2 miles NE	Hardy	800	13	68.4	−3.2	98	30	34	24	4.26	+1.23	1.97	7	0	10	11	14	6	w.	R. E. Saville
Petersburg	Grant	1,029	8	71.7	.....	97	30	41	24	3.08	...	0.87	31	0	13	9	10	12	s.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	70.9	−1.4	93	1	46	24	4.85	+1.37	0.89	9†	0	14	11	9	11	w.	C. A. Suter, Jr.
Romney	Hampshire	824	46	*71.0*	−3.9	*95*	1	44	24	8.82	+5.34	2.41	7	0	17	14	11	6	.....	Marion W. Haines
Spruce Knob	Pendleton	4,650	15	..	.....	.....	.....	.....	.....	3.04	−2.33	1.18	9	0	7	.....	.....	.....	..	Moses R. Bennet
Stony River Dam	Grant	3,300	16	.....	.....	.....	.....	.....	.....	4.00	−0.14	1.20	8	0	11	8	7	16	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	69.7	−0.9	94	30	41	24	2.92	−0.18	1.59	9	0	7	17	12	2	nw.	Reymann Memorial Farm
Means and Extremes		.....	....	**70.2**	.....	**98**	**30**	**34**	**24**	**4.34**	.....	**2.41**	**7**	**0**	**11**	**12**	**11**	**8**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	8.26	+3.47	1.92	28	0	14	7	18	6	w.	L. Esle Bond
Benson	Harrison	1,080	22	70.1	−2.4	91	31	42	23	7.38	+2.23	2.27	28	0	15	8	22	1	.....	R. D. Marts
Bens Run	Pleasants	652	46	72.6	−2.5	92	1†	50	23	5.58	+1.05	1.96	28	0	15	15	14	2	....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	66.2	.....	86	15	41	24	7.99	.....	1.24	19	0	14	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	69.8	−4.0	92	30†	43	23†	5.98	+1.18	1.84	28	0	12	10	15	6	s.	M. D. Hawkins
Buckhannon	Upshur	1,469	56	67.6	−4.2	86	16†	42	23	7.71	+2.99	1.95	28	0	14	7	19	5	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	69.9	−4.4	90	30	43	23	5.59	+1.17	2.42	28	0	13	9	*18*	4	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	62.4	.....	84	30	31	24	6.06	...	1.60	31	0	17	.....	.....	.....	e.	George B. Thompson
Clarksburg	Harrison	1,015	24	69.0	−4.8	90	30	44	23	5.86	+1.78	1.60	7	0	15	11	17	3	w.	Clarksburg Water Board
Creston	Wirt	640	46	70.1	−4.6	91	30	46	23†	3.45	−0.77	0.98	7	0	12	9	4	18	w.	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	71.4	.....	91	15	50	23†	5.78	+1.70	1.38	19	0	16	17	6	8	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	5.23	+0.87	1.24	19	0	14	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	26	.....	.....	.....	.....	.....	.....	4.26	+0.33	1.00	7	0	14	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	6.20	+2.27	4.85	28	0	13	..	..	..	...	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	2.84	−1.09	1.70	28	0	9	.....	.....	.....	...	Lockmaster
Elkins	Randolph	2,006	48	66.0	−3.8	85	15	39	24	5.08	−0.30	1.43	31	0	16	4	16	11	nw.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	70.5	−3.8	91	30	47	23†	4.58	+0.18	1.01	7	0	14	10	5	16	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	70.4	−4.9	89	30	47	23	6.14	+0.27	1.54	28	0	16	7	10	14	nw.	Fred W. Wells
Grafton	Taylor	1,100	53	67.8	−4.8	88	1	41	23	5.46	+1.38	1.28	7	0	17	8	19	4	sw.	William D. Myers
Harrison County Airport	Harrison	1,188	7	68.6	.....	87	30	44	23	5.52	.....	1.94	7	0	15	5	12	14	s.	U. S. Airway Station
Hastings	Wetzel	809	12	.....	.....	....	.....	.....	.....	6.47	+1.68	1.99	28	0	16	7	15	9	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	6.95	+2.01	2.11	28	0	14	.....	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	6	61.4	.....	82	30	35	23	7.49	.....	1.51	9	0	19	18	7	*6*	...	O. C. Hamilton
Mannington, 1½ mi. NW	Marion	974	45	69.1	−2.7	92	30	43	23†	6.08	+1.29	1.89	7	0	15	10	15	6	sw.	James A. Morgan
Middlebourne, 2½ mi. SE	Tyler	760	6	*69.8*	.....	90	27	45	23	4.33	.....	1.78	28	0	13	9	10	12	sw.	L. A. Crumrine
Morgantown	Monongalia	1,250	71	70.5	−3.0	89	15†	49	24	6.17	+1.79	1.72	7	0	18	15	10	*6*	....	Prof. L. M. Peairs
New Cumberland	Hancock	671	52	70.6	−2.4	93	30	40	24	3.27	−0.81	0.75	28	0	12	10	10	11	se.	C. O. Valentine
New Martinsville	Wetzel	637	63	71.6	−3.6	92	1	47	23	5.92	+1.43	1.90	28	0	14	11	18	2	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	71.3	−4.1	90	18	47	23	7.45	+3.16	4.81	28	0	12	5	8	18	se.	Section Center
Parsons	Tucker	1,649	48	68.3	−2.5	89	30	42	24	6.05	+0.96	1.06	1	0	17	9	7	15	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	5.24	+0.61	0.90	7†	0	14	.....	.....	.....	....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	6.24	+1.35	1.86	28	0	14	10	12	9	....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	69.4	.....	90	1	45	24	4.18	−1.02	0.71	19	0	14	.....	.....	.....	.....	W. H. Bolyard
Saint Marys	Pleasants	625	36	....	....	....	....	.....	.....	4.82	+0.66	2.15	28	0	13	.....	.....	.....	..	Edward Hughes
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	4.80	−1.69	0.81	8	0	12	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	70.8	−3.2	93	30	43	23	6.12	+1.19	2.24	28	0	12	8	18	5	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	69.8	−2.4	90	30	48	4†	6.04	+1.86	2.00	12	0	13	12	12	7	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	....	.....	..	.....	.....	5.91	+1.26	1.97	28	0	13	....	..	...	....	Scotland G. Highland
Weston	Lewis	1,026	56	.....	.....	.....	.....	.....	.....	5.33	+0.91	1.88	28	0	14	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	71.0	−3.8	89	5†	50	22†	2.98	−1.32	0.86	28	0	11	10	15	6	sw.	Lockmaster
Means and Extremes		.....	....	**69.1**	....	**93**	**30**	**31**	**24**	**5.60**	.....	**4.35**	**28**	**0**	**14**	**10**	**13**	**8**	sw.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	.....	.....	.....	.....	.....	4.54	−0.17	1.76	9	0	14	12	15	4	w.	H. S. Sutton
Athens	Mercer	2,600	7	65.6	.....	89	30†	39	23	2.43	.....	1.09	7	0	8	13	*10*	8	w.	Concord College
Bluefield	Mercer	2,558	52	68.2	−3.4	90	31	43	23	1.97	−2.10	1.00	7	0	11	15	5	11	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	72.0	.....	98	30†	46	24	1.49	....	0.54	7	0	9	18	7	6	.....	Willard F. Russell
Charleston	Kanawha	615	60	72.7	−4.2	94	30	49	24	3.59	−1.19	0.74	17	0	13	18	6	7	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	71.0	.....	92	30†	49	22†	2.68	.....	0.51	9	0	14	6	15	11	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	60.2	.....	84	31	30	24	5.06	...	1.60	31	0	16	8	16	7	s.	Department of Justice
Flat Top	Mercer	3,270	9	63.7	.....	85	31	38	23	3.88	.....	0.89	7	0	15	9	10	12	nw.	U. S. Airway Station
Gary	McDowell	1,426	30	*69.4*	−3.7	93	31	45	23†	3.14	−1.79	0.71	7†	0	13	.....	.....	.....	....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	71.0	.....	93	31	46	24	3.21	.....	1.10	22	0	14	13	6	13	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	71.7	−2.7	100	31	47	24	1.91	−2.16	0.78	14	0	8	16	*9*	*6*	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	73.4	−3.2	94	31	52	23†	4.66	+0.25	1.08	15	0	16	8	16	7	w.	H. N. Robinson
Kayford	Kanawha	1,336	30	.....	.....	.....	.....	.....	.....	4.39	−0.78	1.25	17	0	17	..	..	..	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	67.2	−3.8	92	31	38	23	4.13	+0.24	1.77	14	0	14	18	7	6	.....	Prof. H. B. Graybill
Logan	Logan	700	34	73.2	−2.8	98	31	60	24	2.38	−2.65	0.81	7	0	7	18	6	7	.....	J. W. Ruff
London Locks	Kanawha	623	12	71.3	.....	93	30†	50	24†	3.04	−2.90	1.27	7	0	14	..	..	....	se.	Lockmaster
Madison	Boone	675	26	71.1	−8.7	93	31	46	24	2.52	−2.81	0.50	12	0	11	14	7	10	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	67.1	....	90	31	41	23†	3.23	...	0.74	9	0	13	*15*	*5*	*11*	.....	M. H. Martin
Pineville	Wyoming	1,350	5	67.8	.....	92	31	43	23†	2.71	.....	0.64	17	0	9	*15*	1	15	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	72.3	−4.1	92	30	60	23	4.33	+0.19	1.91	27	0	15	11	8	12	s.	E. C. Winger
Rainelle	Greenbrier	2,424	16	66.2	−3.3	92	30	36	24	3.80	−1.99	1.19	15	0	15	15	4	12	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	634	32	70.6	−4.6	90	30	45	23†	3.16	−0.87	1.53	28	0	14	7	15	9	ne.	Lockmaster
Richwood	Nicholas	2,193	16	65.3	−6.5	88	29†	36	23†	3.85	−2.99	0.84	19	0	12	16	6	10	.....	Richwood Water Co.
Ripley	Jackson	610	5	..	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Spencer	Roane	789	48	69.4	−4.2	89	30	45	23†	2.90	−1.34	1.29	7	0	14	11	19	1	.....	A. M. McKown
Summersville	Nicholas	1,900	11	*65.2*	.....	88	11	37	22	4.69	.....	1.00	27	0	12	6	19	7	....	A. E. Dorsey
Sutton	Braxton	850	44	72.0	−2.8	93	31	44	24	5.77	+0.44	1.98	7	0	14	..	..	..	.....	C. B. Eakle
Union	Monroe	2,200	43	67.0	−4.6	93	31	37	23	3.53	−0.26	0.78	17	0	12	25	2	4	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	68.6	.....	88	1†	43	24	7.34	.....	1.08	9	0	17	16	8	7	nw.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	67.2	−4.4	91	30	38	23†	8.09	−0.83	0.80	9	0	9	9	10	12	w.	Greenbrier Hotel
Williamson	Mingo	673	46	73.1	−3.0	99	31	49	23†	3.41	−1.02	0.78	7	0	11	17	7	7	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	71.4	.....	91	31	48	23	3.25	....	1.30	15	0	13	10	11	10	w.	Lockmaster
Means and Extremes		.....	....	**69.0**	.....	**100**	**31**	**30**	**24**	**3.45**	....	**1.98**	**7**	**0**	**12**	**13**	**10**	**8**	w.	
State Averages and	Extremes	.....	....	**69.2**	**−3.9**	**100**	**31**	**30**	**24**	**4.46**	**−0.16**	**4.35**	**28**	**0**	**13**	**12**	**11**	**8**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated.

Daily Precipitation for July 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.35						.55		.40		.40	.04	T.					.02	.72		T.							.23	T.		.48	3.19
Brushy Run[2]	do.	.34	.55					.21	.10	.68	.85		.03			T.	T.	.76	.28	.21			.28						.07				4.36
Franklin	do.							.18	.03	1.63			.04							.92													§§
Harpers Ferry[2]	do.		.28			.41		.16	.44		.48		.28	.73			.13	.18		.41	.01		.61					.10					4.20
Inwood	do.	.28	T.					.53		.70	T.			.52	T.		.20	.37	*	*		.35	.61							.08			3.81
Kearneysville	do.	.56	T.		.07	.05		.52		.61	.02	.07	1.70	.01			.03	.07	.06	.20		1.13	1.13						.18	T.		.30	6.71
Knobly Mountain[3]†	do.	T.	.85					.91	.55	.76	.28		.10		.05			.15	.11	.20			.50						.12				4.58
Martinsburg[4]	do.	.40			.04		.26	.30		.94		1.06	.32	.02	.03		.41	.02	.17	.13		.75	.33					.02	.23			.36	5.79
McNeill†	do.	.07					.25	1.97		.73	T.	.07	T.	.06	.18				.05	.08									T.				4.26
Petershurg	do.	.68					.05	.15		.77	.07	.14	T.	.04	T.		T.	.09	.04	.06		.04						T.	.08			.87	3.08
Piedmont	do.	.38	.33					.45	.19	.89		.31	.17				.14	.45	.20	.07			.35						.03			.89	4.85
Romney	do.	.41	.63	.01			.04	2.41	.06	1.13		.46	.01		.28		.87	.02	.47	.34			.10						.03			1.55	8.82
Springfield	do.		.34					.38	1.74	.30	.73		.18							.60			.23										4.50
Spruce Knob[3]†	do.		T.					.42	.28	1.18	.38		T.					.42	T.	.32	.04								T.				3.04
Stoney River Dam[2]†	do.		.94					.51	.45	1.20			.12				.06		.09	.25			.06						.26	.06			4.00
Wardensville[2]	do.		.20					.10	.20	1.59			.49		.15		T.		T.	.19			T.										2.92
Northern Division																																	
Aberdeen†	West Fork	T.					T.	1.27	.09	1.17	.60	.48			.03	T.	.28	.20	.03	.46		T.	.22	.07					1.92			1.44	8.26
Belington[3]	Tygart	T.	.26					.25	.72	.84	.75		T.			T.	.01	.13	.03	.49	T.		.06	.06					.70	.08			4.38
Benson†	West Fork							1.38	.08	.76	.25	.38		.02	.10		.60	.75	.25	.21		.10	.08					2.27			.15	7.38
Bens Run	Ohio						.34	.44		.22	.09	.12	.10		.02	.96	.01	.70	.03	.18		.20						1.96				5.58
Big Skin Creek	West Fork	.05						.73		1.30	.43	.38			.09		.03		.03	.70		.19	.04				.21	1.96				5.58
Brandonville[2]	Cheat		.34					.99	.79	.59	.98			.16	.30		.98	T.	.34	1.24	T.	T.	.21	.39				1.75			.25	5.97
Brownsville†	West Fork	.07						.80	.04	1.08	.30	.37					.05		.36	.35			.19					1.84			.53	5.98
Buckhannon	Tygart	.04				T.		1.23	.15	1.73	.04	.02	T.		T.		.09	.02	.19	.90		.02	.28					1.95			1.05	7.71
Cairo	Litl.Kanawha		.10			.02		.40		.62	T.	1.05	.01			.76	.02	.02		.03		.11						2.42			.03	5.59
Canaan Valley	Cheat	.49	.54			.27		.90	.05	.33	.19	.10		.03	.09	T.	.44		.04	.31			.08						.52	.08		1.60	6.06
Clarksburg[2]	West Fork		.07					1.05	.55	.66	.09	.61	.35		.05		.05	.04	.04	.40			.34					1.54	.02				5.86
Crawford	do.					.06		1.18	.52	1.66					.09		.08	.18	.07	.52	.18	.44						2.26			.50	7.74
Creston[2]	Litl.Kanawha		.07					.93	.05	.26	.32	T.	T.		.05	T.	.18	.30	.02	.28		T.	.02				T.	.97				3.45
Dailey[2]†	Tygart		.17					.36	.83	.82	.15		T		T.	.01		.19		.32			T.					.93	T.			3.78
Dam 10, Mon. R.[2]†	Monongahela	.01						.78	1.28	.06	.57	.01	.04	.17	.08	.06	.21	.38		1.38			.02					.62	.11			5.78
Dam 13, O. R.[2]†	Ohio							.55	.36	T.	.38	.05	.27		.16		.33	.11	.01	1.24		T.	.82	.01				.68	.26			5.23
Dam 15, Mon. R.[2]†	Monongahela		.07					1.00	.33	.10	.53			.01	.05		.27	.06		.60			.17	.20				.80	.07			4.26
Dam 19, O. R.[2]†	Ohio							.11		.07	.50	.01	.10		.06		.12		.02	T.		.04	.23	T.			.02	4.85	.07			6.20
Dam 20, O. R.[2]†	do.							.15		.11	.39	.04	.20		T.		.18	T.				.05	T.	T.			T.	1.70	.02			2.84
Elk†	West Fork							1.35		1.18		.30						.12	.20	.38		.12	.09					1.50			.56	5.80
Elkins[1]†	Tygart	.07				.18		.49	.01	.78	.03	.30	T.		.03		.23		.22	.47		.02					.22	.59	.01		1.43	5.08
Fairmont[2]	Monongahela					.17		1.01		.46	T.	.05	T.	T.	T.	.43	.04	.15	.26	.12		.21	.30				.64	.33			.41	4.58
Glenville[2]	Litl.Kanawha		.03					.63	.14	.34	.53		.37		.09	.01	.32		.79	.14		.02	.12	.06			.01	1.54				5.14
Grafton	Tygart	.27				.81		1.28		.58	.12	.26	.15		.05		.42	.09	.05	.25		.12	.20					.60	.03		.63	5.46
Hackers Creek†	West Fork							1.25	.01	.95	.12	.13			.02		.06		.44	.14		.19	.20					2.33			.58	6.42
Hall[2]	Tygart		.27					.27	.59	1.08	.06		.16				.08	.03	.02	.86			.25	.04				1.09	T.			4.80
Harrison Co. Arpt[4]	West Fork	T.				.20		1.94	T.	.63	.08	.07			.08	.38	.02	.20	.09	.08		.22	T.				.77	.22			.54	5.52
Hastings	Ohio					.14		1.00		.34	.08	.54	.08		.05	.27		.58	.25	.75		.03	.12					1.99	.02		.23	6.47
Horner	West Fork						.20		.60	.50		.70		.15		.08	.07	.20	.50	.30	.25	.15	.05							2.00			5.75
Ireland	do.										1.51	.47	.02	T.	T.																	4.56
Jane Lew	do.					T.	1.71	.03	1.04	.11	.33	T.		.02	.03	.10	T.	.15	.21			T.	.13	.02				1.95			.09	6.95
Kumbrabow St.For.†	[2]Tygart	.29	.01			.16	.77	.75	1.51	.32	.06	.03		.16	T.	.75	.07	.02	.70		.01	.16	.01					2.11			.96	7.49
Mannington	Monongahela							1.89		.42	.07	.02	.08		.57		.46	.32	.12	.26		.11	.12					1.31			.40	7.49
Middlebourne[2]	Middle Is.Crk.	T.						.90	.12	.16	.12		.07		T.	T.	.41	.27	.03	.28		.02	.13	T.				1.20	.02		.42	6.08
Midvale[2]†	Tygart		.05					.40	1.00	1.06	.19	.02			.02	.01	.40	.15	.02	.48			.25					1.78	.04			4.33
Morgantown	Monongahela	T.						1.72	.31	.60	.10	.05	.30	.12	.10	T.	.15	.03	.78	.72		.05	.06				.01	1.08	.04			5.17
Mt. Clare	West Fork							1.40	.90		.40	.05		.15	.01			.02	.24	.23		.23	.09					1.71	.05		.31	6.17
New Cumberland	Ohio	.35	T.			T.		.47		.35	.14	.24	T.			.01	.25		.02	.20	.02	T.						1.55		.60		5.87
New Martinsville	do.					.15		.72		.23	.07	.53		T.	T.	.60	.32	.44	.05	.51		.24	T.				1.17	.75	.16		T.	3.27
Parkersburg[1]†	do.	T.				.19	.07	T.	.79	.33	.15		T.	.15	.43	.02	T.	.02				.39	T.			T.	3.34	.73				5.92
Parsons	Cheat.	.02	1.04			.65	.83	.01	.51	.07	.21	T.			.08	.02	.01	.08	.84			T.	.18					1.57			T.	7.45
Philippi[3]	Tygart	T.	.02				.41	.49	.84	.07	T.	.77		.02	T.	.90	.02	T.	.60				.21	.03				.49	.10		.91	6.05
Roanoke	West Fork	.08					1.21	.05	1.32	.37	.26			.22	.05	.03	T.	.21	.23	T.			.22					1.86			.13	6.24
Rockford†	do.					T.		1.39	1.19	1.29	.15	T.		T.		.12		.18	.53		.09	.10					2.28			.58	7.90
Rowlesburg[2]	Cheat.		.33					.35	.35	.34	.55	T.	.10	.27	.04		.14	.28		.71			.19	T.				.45	.08			4.18
Saint Marys[3]	Ohio	.06						.50	.06	.17		.02	.08		.02		.53		.66	.08		.03	.46					2.15				4.82
Salem	West Fork	.06						1.39		.57	1.15	.13			T.		1.01	.11	.03	.32		.25	T.					4.50			.06	9.58
Sand Fork	Litl.Kanawha	.01					.02	.64	.32	1.58	.21	.02			.14		.11	.15	.03	.89	T.	.38	.01					2.04			.20	6.75
Shinnston	West Fork							.20		.20	.28	.20	.03	.05	.05							.25	.05					1.40	.10		.60	3.41
Thomas[2]	Cheat.	.80	.53					.48	.81	.37	.19			.06			.27			.76			.03					.38	.12			4.80
Upper Davisson Run	West Fork	T.	.01					1.59	.07	.67	.16	.22	T.	.09	.03		.51	T.	.19			.50	T.					1.92			.23	6.19
Valley Chapel	do.							1.12	.20	.77	.40	.14		T.		.12			.08	.15		.03	.14					2.24			.73	6.12
Valley Head[2]	Tygart		.33					.67	.65	1.60	.18	.07	.23					.60		.50			.05				T.	.88	.03			5.79
Vandalia†	West Fork							.50	.20	1.70	.16						.20	.20	.30	.90		.50						2.00			.30	6.96
Wellsburg (near)	Ohio	.38						.62		.33	.21	.30	2.00	T.	.29		.25		.58	.24			.18					.61			.05	6.04
West Milford	West Fork							1.40	.01	.85	.20	.10		.10		.10		.13	.14	.20			.29					1.97			.42	5.91
Weston[2]	do.		.04					.78	.34	.50	.68		.26		T.	T.	.12	.08	.07	.34			.16	.08				1.80	.08			5.33
Wheeling (Dam 12)[2]	Ohio							.47	.17	T.	.24		.11		.16	T.	.16			.57			.22	.02				.84	.02		T.	2.98
Southern Division																																	
Arbovale	Greenbrier	T.	.12			.30	.20		1.76	.20	.10		.06	.03		1.05	.17	.05	.18		T.							.16			.16	4.54
Athens	New		.49			.03	1.09		.34				.05	.24																			2.43
Bluefield	do.		.02			.07	1.00		.13	.04	.03			.25	T.		.20	.05	.12								.06				1.97
Bluestone Dam	do.		.08					.42	.12	.40			.15		T.	.21	.05		.04								.02				1.49
Camden-on-Gauley[2]	Gauley							.82	.78	.54	.01						.30	1.30	.34	.49	.02		.14					1.62	.02			6.38
Charleston	Gr. Kanawha	T.						.44		.22	.49	.01	T.	.18	T.		.05	.04	.74	.38		.04	.32	.11				.57				3.59
Charleston Airport[4]	do.					.30	.06		.51	.06	T.	.32	T.		.03	.02	.14	T.	.16			.34	.06			T.	.09	.45			.14	2.68
Coalwood	Big Sandy		.64			.06	1.16		.02	.25	.24			1.43	.09		.06	.19	.05			.13						.47				4.79
Cranberry Glades	Cranberry		.08		.01	.03	.34		.96	.30	.15			.38	.11		.60	.07	.09	.10			.03					.21			1.60	5.06
Flat Top[4]	New	.33				.46	.89	T.	.43	.12	.19	.23		.39	.13		.09	.11	.05			.01						.13			.32	3.88
Gary[2]	Big Sandy		.19				.71	.20	T.	.71	.04	.51	T.	T.	.50	.01		.05	.05			T.	.02				T.	.12	.03			3.14
Hamlin	Mud		.11				.28	.30	.02	.09	.17	.10					.11		.18	.22		.05	1.10					.36	.12			3.21
Hinton[2]	New		.18				.43		.37		.02				.78	.03	T.	.05				T.					.05	T.				1.91
Hogsett	Ohio						.23		.15	.45	.02	.08	.36	.10	.67	.17		T.	.17			.08	.15					.63	.43			3.69
Huntington	do.	.02				.10	.33		.08	.05	.02	T.	.03	.34	1.08	.74	T.	.11				.07	.11			T.	T.	.60	.09		.78	4.55
Kayford[3]	Gr. Kanawha	.10	.20	.10		.15	.50	.20	.18	.08	.12	.30	.50		.26	.15	1.25	.10							.05	.15						4.39
Lewisburg	Greenbrier		T.			.07	.43		.51	.34	.01	.02		1.77	.54	.02	.01		.08			.11						.02			.20	4.13
Logan[2]	Guyandot						.81	T.	T.	.21	T.	.48	T.	T.		.14		.18	T.				.12					.44				2.38
London Locks[2]†	Gr. Kanawha						1.10	.17	.31	.25	.04	.01	T.		.37	.03	.11	.09	.07		T.	.03	.10					.36	T.			3.04
Madison[2]	Coal	.01					.43		.24			.50	.28			.43	.22	.32	.02		.01	.06										2.52
Oak Hill	New		.05				.32	.18	.47	.27	.06			.21		.50	.36		.10	.34			.01					.36				3.23
Pineville[2]	Guyandot		T.					.45	.12	.20		.18			.28	.56	.18	.46		T.		T.							.28			2.71
Point Pleasant[2]	Ohio		T.				.11		.18	.81	.05	.02	.02	.03	.67	.03	.08	T.	.19		.12	.06					T.	1.91	.05			4.33
Princeton[3]	New		.01				1.16		.19	.10					.34			.26	.05			.01						.08				2.20
Rainelle	Greenbrier	T.	.26			.04	.60	.01	.58	.02	.33	.15	T.	.18	1.19	T.	.02	.01				.04						.14			.23	3.80

Continued on next page.

Daily Precipitation for July 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio	....	.06	...	....	....	....	.23	....	.22	.30	.20	....	....	.05	.12	.12	....	....	.14	....	.05	.05	.03	...	....	..	..	1.53	.05	...	...	3.15
Richwood [2]	Gauley	....	.16	..	....	....	....	.29	.21	.48	.05	....	.29	....	....	.12	....	.47	.32	.84	...	....	.29	....	....	....	..	..	.33	....	....	....	8.85
Ripley	Ohio	....	....	....	....	....	....	....	....	....	....	....	....	....	.19	.21	.11	....	....	.29	....	.12	.09	.01	....	..	....	....	1.19	.03	..	....	§§
Spencer [2]	Ltl.Kanawha	...	.07	....	..	....	1.29	.02	.21	.26	T.	.03	....	....	....	.05	.02	T.	.01	.09	....	.01	.20	.04	....	....	....	....	.60	....	....	....	2.90
Summersville [2]	Gauley	.05	....	..	..	....	1.98	T.	.51	.08	.07	....	....	....	....	....	....	.52	.05	.56	....	.05	.40	....	....	T.	....	1.00	....	....	....	....	4.69
Sutton	Elk	.10	.17	..	....	....	.21	.46	.03	.64	.23	.18	.08	....	....	.09	.63	....	.78	.07	....	....	T.	....	....	....	....	.02	.83	....	....	.24	5.77
Union [2]	New	T.	.32	..	..	....	....	.46	.03	.64	.23	.18	.08	....	....	....	.22	....	.28	....	....	.12	.24	....	....	....	....	....	T.	.48	.16	....	....	8.53
Wayne [2]	Twelvepole	....	....	....	....	....	....	.31	....	....	....	....	.18	....	....	....	T.	1.07	.24	.65	....	.06	.15	....	....	....	....	....	1.00	.07	....	.97	1.99
Webster Springs	Elk	.15	....	....	..	....	.12	.88	.27	1.08	.07	.22	.34	.10	T.	T.	T.	1.07	.24	.65	....	.06	.15	....	....	....	....	....	T.	....	....	....	7.34
White Sulp'r Spgs.	Greenbrier	....	....	....	....	....	....	.82	....	.80	.40	.03	....	....	.70	.06	.46	T.	....	.07	....	....	.25	....	....	....	....	....	.51	....	....	....	3.09
Williamson [2]	Big Sandy	....	....	....	....	....	....	.78	.13	....	.64	....	.36	....	....	.05	.14	12	.04	.39	....	.25	....	....	....	....	....	....	.52	.01	....	....	3.41
Winfield Locks [2†]	Gr. Kanawha	....	....	....	....	....	....	.17	.08	.16	.06	....	....	....	.03	....	1.30	.47	.03	.08	T.	.04	.31	....	....	....	....	....	.52	.01	....	....	3.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Greenbottom, LeSage; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Seneca State Forest, Clover Lick; Spruce Knob, Circleville; Stony River Dam, Maysville; Terra Alta, Hopemont; Vandalia, Roanoke; Winfield Locks, Red House. §§ Incomplete.

Daily Temperatures for July 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	84	75	75	80	82	73	73	67	71	72	75	80	82	75	80	77	72	80	78	81	75	67	72	79	73	83	83	81	81	89	89	77.5
	Minimum	62	52	47	46	60	55	60	56	56	48	52	52	55	62	62	58	58	65	62	48	54	48	39	43	48	52	51	50	55	53	65	53.7
Bayard	Maximum	87	73	73	77	82	81	75	64	75	78	78	77	82	83	84	80	82	81	81	74	73	67	67	73	79	75	82	75	78	84	83	77.5
	Minimum	56	51	41	41	43	50	50	55	54	53	46	55	52	58	55	58	55	58	59	58	50	44	45	44	34	39	40	42	59	56	53	50.2
Bluefield	Maximum	86	84	77	74	79	77	74	70	71	73	77	74	82	83	80	77	78	82	81	82	81	78	71	72	80	83	81	83	83	81	88	79.0
	Minimum	63	59	51	50	54	59	62	60	54	53	54	54	58	63	62	60	62	62	66	55	58	53	43	45	54	58	62	63	60	55	64	57.3
Buckhannon	Maximum	85	79	76	82	85	84	73	69	75	78	78	82	82	84	86	81	83	83	78	76	74	68	71	77	82	83	84	79	78	86	83	79.5
	Minimum	61	52	48	46	49	57	64	57	58	52	55	67	59	66	61	62	62	66	67	55	50	52	42	43	46	49	55	63	59	56	61	55.8
Charleston (Airport)	Maximum	89	82	81	86	88	77	81	74	75	81	78	85	89	87	87	85	84	88	82	81	81	73	76	84	87	89	89	85	88	92	92	83.7
	Minimum	62	55	53	51	55	64	65	59	60	54	58	57	59	67	64	63	64	65	61	53	51	49	49	50	51	54	61	66	61	59	62	58.2
Clarksburg [3]	Maximum	84	79	79	84	87	84	74	67	76	80	79	82	84	85	87	88	84	80	76	79	77	67	74	77	84	85	85	79	84	90	81	80.7
	Minimum	64	54	50	50	51	66	65	59	58	55	56	60	59	65	65	62	65	66	69	54	53	51	44	46	49	49	53	64	61	60	63	57.3
Cranberry Glades	Maximum	81	78	72	74	73	78	65	65	68	69	70	74	77	75	76	73	74	74	69	73	71	63	65	74	77	71	80	74	72	83	84	73.3
	Minimum	50	46	37	36	38	46	58	55	51	40	43	49	52	60	56	49	52	52	62	43	46	49	33	30	40	40	45	59	51	44	49	47.1
Elkins	Maximum	84	74	75	78	82	81	71	62	76	77	77	77	82	81	85	80	81	81	76	75	73	67	69	76	80	81	83	77	79	85	84	77.7
	Minimum	61	53	48	47	45	55	62	57	57	55	52	56	56	61	59	61	62	62	60	53	52	47	41	39	46	48	54	62	60	55	60	54.4
Fairmont [3]	Maximum	88	84	82	89	90	84	74	67	76	81	80	85	89	86	89	83	88	86	84	80	76	70	77	85	86	90	87	79	87	91	82	83.1
	Minimum	65	55	51	50	52	59	64	58	57	59	68	59	58	64	65	63	65	66	60	54	54	50	47	47	51	52	60	64	63	61	64	57.9
Flat Top	Maximum	81	73	70	76	79	74	69	62	70	69	71	74	78	74	77	73	76	78	74	76	70	62	66	75	78	80	79	72	75	84	85	74.2
	Minimum	61	54	48	49	50	54	59	58	52	44	49	52	59	52	60	56	59	61	63	49	53	49	38	41	44	48	57	59	60	50	60	53.2
Gary [3]	Maximum	89	80	78	69	87	75	78	72	77	79	79	83	86	79	85	83	82	86	82	82	77	77	75	83	85	87	88	80	82	92	93	81.6
	Minimum	65	60	52	50	54	60	63	61	57	51	55	56	58	63	62	60	62	62	67	54	57	55	45	45	49	53	61	64	61	56	58	57.3
Glenville	Maximum	87	82	83	87	88	82	78	76	76	80	79	86	86	85	86	83	83	86	80	79	77	69	77	80	85	84	87	83	84	89	87	82.4
	Minimum	65	55	51	49	51	59	65	61	59	57	58	68	60	67	63	63	64	64	64	57	55	55	47	48	51	51	60	65	63	61	63	58.4
Grafton	Maximum	88	78	76	82	86	85	73	67	75	80	80	80	83	84	87	83	82	83	78	76	74	74	73	77	83	85	85	80	82	87	84	80.2
	Minimum	62	65	47	49	48	64	63	57	56	53	60	55	54	62	62	60	60	62	68	53	50	48	41	43	47	46	54	59	59	57	59	55.3
Huntington	Maximum	90	85	84	87	88	81	83	80	74	79	79	89	91	92	87	82	84	90	83	80	83	77	80	84	88	90	90	86	86	92	94	85.1
	Minimum	70	61	57	56	59	69	67	58	61	56	56	61	63	70	67	68	68	69	69	59	61	55	52	52	53	58	66	66	62	62	65	61.8
Lewisburg	Maximum	87	80	77	82	87	79	78	73	74	76	78	81	83	84	82	82	84	84	82	81	79	72	74	80	83	84	81	80	85	90	92	81.1
	Minimum	57	52	45	45	49	59	60	53	54	49	51	51	52	60	59	58	57	60	65	47	54	60	38	42	50	51	58	62	55	52	55	53.2
Logan [3]	Maximum	91	86	85	89	89	90	82	78	74	81	82	87	90	84	86	87	85	91	80	85	82	74	81	88	91	88	91	84	88	96	98	85.9
	Minimum	69	60	56	54	54	62	66	64	60	55	58	59	62	67	65	64	68	66	67	55	57	61	51	50	54	57	60	65	67	61	62	60.5
Madison [3]	Maximum	88	82	81	86	88	77	77	76	77	80	80	85	87	85	86	85	85	88	83	82	80	73	77	83	87	87	88	82	84	91	93	83.3
	Minimum	68	59	54	51	55	61	64	59	59	54	57	57	61	65	63	63	65	64	67	54	57	57	50	46	62	53	62	64	65	59	60	58.9
Mannington	Maximum	88	83	82	87	88	86	75	70	79	82	79	85	87	86	87	83	84	87	79	80	79	71	77	82	88	87	87	83	87	92	89	83.2
	Minimum	63	60	47	44	47	56	63	57	57	54	55	54	54	62	61	60	62	61	66	52	51	47	43	43	46	49	57	62	57	58	58	55.0
Martinsburg	Maximum	92	82	79	85	87	88	71	73	80	82	81	82	85	86	81	85	84	87	85	78	77	75	75	80	85	85	87	84	86	91	78	82.5
	Minimum	67	62	58	53	55	61	66	62	62	63	61	58	58	67	64	67	65	65	64	57	59	54	51	49	53	58	63	68	64	65	67	60.8
Middlebourne	Maximum	88	83	83	85	83	83	77	70	75	80	80	85	85	87	87	80	87	86	76	76	76	70	77	83	87	87	90	83	85	89	83	82.1
	Minimum	66	52	60	50	57	61	65	60	60	56	59	58	59	67	64	65	65	64	50	52	55	53	45	47	50	49	60	65	59	60	62	57.6
Morgantown	Maximum	88	81	79	85	88	82	72	72	75	80	81	85	83	86	89	83	80	85	78	76	76	71	73	80	85	86	86	80	80	89	77	81.0
	Minimum	67	58	63	52	55	62	64	62	59	57	59	61	62	66	68	66	67	67	65	58	55	55	51	49	53	53	53	65	63	67	68	60.0
New Martinsville	Maximum	92	84	84	89	91	83	78	76	75	81	81	88	89	87	90	86	85	87	81	78	80	70	77	84	88	86	87	82	88	91	84	83.9
	Minimum	66	55	52	53	54	61	66	63	59	58	59	60	60	67	65	66	67	65	68	53	56	51	47	48	54	54	61	65	62	62	64	59.4
Parkersburg	Maximum	88	80	80	87	87	80	76	72	72	80	79	85	89	87	87	83	85	90	73	78	78	68	78	81	85	86	89	84	86	90	86	82.2
	Minimum	66	58	56	53	57	65	65	57	60	67	62	62	63	68	67	65	67	69	58	54	66	55	47	51	53	58	65	66	60	64	68	60.4
Petersburg	Maximum	93	82	79	84	90	90	78	78	79	81	84	87	91	88	87	86	87	89	85	83	80	77	77	85	89	91	92	87	89	97	92	85.7
	Minimum	64	67	51	48	52	56	65	62	60	58	69	59	58	65	63	65	64	62	62	52	54	54	45	41	48	53	62	65	60	64	66	57.7
Point Pleasant	Maximum	84	81	81	87	89	84	79	77	74	79	81	84	90	89	85	83	84	89	78	78	80	72	77	83	87	90	90	87	83	92	89	83.4
	Minimum	70	58	55	55	57	66	67	56	61	56	62	62	64	67	68	67	67	69	69	54	60	54	60	51	54	57	65	66	61	62	67	61.2
Rainelle	Maximum	88	81	78	83	85	78	74	70	75	75	76	80	83	76	81	82	81	83	80	82	78	65	73	80	84	85	87	80	81	92	91	80.2
	Minimum	60	50	45	41	45	65	60	58	53	47	50	50	52	59	58	56	59	59	63	49	50	53	38	36	42	45	51	61	50	51	60	52.2
Spencer	Maximum	86	82	80	85	87	79	78	70	72	78	77	84	86	85	84	81	83	83	80	78	77	69	75	79	85	86	88	80	83	89	80	80.9
	Minimum	64	53	51	50	51	69	65	60	60	53	56	58	61	68	67	62	63	66	70	55	53	54	45	45	47	51	62	65	61	59	61	57.9
Summersville [3]	Maximum	76	75	81	83	81	78	64	75	73	76	88	82	79	82	80	78	77	81	75	75	72	79	81	83	83	86	77	81	87	87	79	79.2
	Minimum	48	43	41	46	57	60	55	53	45	41	51	60	51	57	57	53	59	64	67	47	39	37	42	40	47	53	60	59	48	49	61	51.3
Sutton	Maximum	92	90	84	91	91	90	86	81	83	83	79	86	90	92	92	91	90	91	91	87	86	86	78	86	88	90	91	91	90	92	93	88.1
	Minimum	62	54	49	48	48	57	61	58	57	57	56	54	56	61	60	61	61	60	61	55	53	50	45	44	49	50	57	62	61	64	62	55.9
Wardensville [3]	Maximum	92	81	80	85	90	90	75	75	80	82	84	85	85	85	81	85	85	85	87	79	78	75	74	81	84	88	89	86	86	94	83	83.6
	Minimum	61	54	47	47	49	55	64	63	59	55	61	55	56	63	60	65	62	60	56	52	53	55	43	41	45	51	60	64	58	57	60	55.8
Wheeling [2]	Maximum	87	85	81	86	89	83	77	72	74	82	80	84	88	87	82	78	86	87	77	75	75	70	75	81	86	84	86	82	86	89	85	81.9
	Minimum	69	56	53	54	56	59	64	59	60	59	60	63	63	66	69	67	67	69	69	56	66	50	50	51	54	55	57	67	60	60	62	60.0
White Sulphur Spgs.	Maximum	89	87	78	82	86	86	77	73	73	72	67	74	75	72	82	80	83	84	85	81	80	73	75	81	83	86	85	83	85	91	88	80.5
	Minimum	58	54	43	44	45	54	63	55	55	58	63	67	53	69	69	59	57	62	52	51	54	49	38	38	49	49	47	58	56	51	53	54.0
Williamson [3]	Maximum	92	85	83	89	92	74	81	80	78	79	85	88	91	87	87	85	85	92	84	85	81	75	80	87	90	93	93	85	88	96	99	86.1
	Minimum	69	63	55	53	57	63	66	63	58	54	57	60	62	66	63	64	66	66	71	55	55	59	49	49	51	56	59	66	66	60	61	60.1

Daily Evaporation (inches) and Wind Movement (miles) for July 1947

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.065	.290	.250	.198	.216	.119	.264	.090	.078	.122	.294	.228	.170	.154	.226	.192	.140	.120	.138	.234	.182	.139	.116	.184	.140	.183	.144	...	.058	.151	.171	5.225
	Wind movement	52	68	71	31	37	21	68	52	28	39	30	43	52	28	49	38	32	31	49	109	40	22	55	42	20	84	20	65	41	29	35	1331
Wardensville	Evaporation	.153	.270	.364	.169	.252	.280	.267	.082	.194	.147	.263	.269	.263	.116	.208	.122	.142	.199	.433	.072	.208	.119	.265	.177	.254	.200	.296	.235	.164	.285	.254	6.725
	Wind movement	19	36	30	32	25	17	36	25	35	20	31	30	33	13	10	24	27	16	22	35	20	23	45	9	16	11	22	37	16	18	31	764

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—11-21-47—1050)

37.05
NWE

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VICTOR T. HORN

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VOL. LV AUGUST 1947 No. 8

GENERAL SUMMARY

This was an unusually hot and humid August. The mean temperature of 75.8° was exceeded only by the 76.0° recorded in 1900 and 1918. Temperatures of 100° or more occurred at McNeill on the 14th and at Charleston on the 19th and 30th; temperatures in the nineties were common at all but the higher-elevation stations. All stations reported plus departures in average temperatures.

Total precipitation amounts varied from the 1.22 inches recorded at Romney to the 9.66 inches at Gary. The northeastern panhandle division continued quite dry although a few stations reported considerable excesses in precipitation. The northern division averaged just about normal; however, the great majority of stations showed minus departures, while a few in Barbour, Marion, Monongalia, Wetzel, Wirt and Wood Counties had heavy thundershowers that gave them large plus departures. Except for small areas in Cahell and Jackson Counties and a somewhat larger area extending through Clay and Nicholas Counties and into the middle of Greenbrier County where the rainfall was light, the southern division recorded large plus departures ranging up to 5.55 inches at Gary. On the 3d, electrical storms did some slight damage to power lines and gardens at Hinton, Logan and Webster. On the 4th, damage to the extent of $250 was caused by high winds, during the passage of a thunderstorm, to the hanger doors and to four light planes at the Parkersburg-Wood County Airport. On the 14th, a severe electrical storm accompanied by heavy rain and strong winds did some damage at Parkersburg: several small fires were started by lightning; there was a slight disruption of power and telephone service; a few basements were flooded. On the 25th, in the Reedy–Sandyville area, an electrical storm with heavy rain washed out gardens and a small amount of railway track bed; the post office building at LeRoy was washed from its foundation.

Hot, humid days and nights, beginning on the 3d and continuing throughout the month, along with adequate rainfall, made corn and soybeans grow with a vigor seldom seen. Record yields per acre of corn, potatoes and tobacco, and near record yields of oats and buckwheat were in prospect August 31st. Wheat and barley yields were of record proportions. Pastures gave ample feed all month in most places and were becoming excellent, for the time of year, by August 31st. A nearly average peach crop was secured during the month. Winter apples gained size rapidly during the month but the crop was expected to turn out hut 50 percent of the normal amount due to the late spring frosts. At the end of the month, the picking of fall varieties of apples was increasing in volume, while summer varieties had been marketed. The apple harvest ran about one week later than last year. Adequate farm and domestic water supply was had in most places all month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 75.8°, or 4.0° above the normal. The mean for the northeastern panhandle division was 74.8°; for the northern division, 75.6°; and for the southern division, 76.2°. The highest monthly mean was 80.8° at Charleston; and the lowest, 66.6° at Canaan Valley. The highest temperature was 101° at McNeill on the 14th; and the lowest, 39° at Canaan Valley on the 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 97 stations, was 4.65 inches, or 0.56 inch above the normal. In the northeastern panhandle division, the average was 3.35 inches; in the northern division, 4.23 inches; and in the southern division, 5.67 inches. The greatest monthly precipitation was 9.66 inches at Gary, and the least, 1.22 inches at Romney. The greatest amount in any 24 consecutive hours was 4.25 inches at Richwood on the 1st. The average number of days with 0.01 inch or more of precipitation was 11.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	4	1	2	11	5	4	3	4	15	7	3	8	4	4	1	1	2	4	3	8	6	5	8	3	5	4	6	15	14	6	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	2	..	1	3	..	..	..	..	1	..	..	..	..	1	1	2	..	..	1	..	..	..	..	..	1	1	..	..	..	..	1
Hail	..	1	1	3	1	..	1	..	1	1	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	2	1	18	25	5	1	11	18	16	13	..	7	17	18	17	12	22	6	8	17	26	12	6	12	16	26	3	..	1	2	13

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Columbus, Ohio	30.24*	12*	29.88*	6*	6.3	25	sw.	5	92	65	74	63	0
Elkins*	30.29	12	29.91	1	4.0	31	nw.	9	94	61	86	43	5
Huntington*	30.25	12	29.91	6	.....	12	w.	12	93	61	81	...	0
Parkersburg	30.24	12	29.89	6	4.3	26	nw.	26	90	62	74	47	0
Petersburg, W.Va.	30.31	11	29.89	1	.....	17	w.	14	94	57	75	....	0
Pittsburgh, Pa*	30.25	12	29.91	26	6.7	26	nw.	26	88	60	68	43	0

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR AUGUST

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	69.8	..	..	3.48	6.10	4.73	5.48	0.0	7	..	..	..
1892	72.1	96	41	1.65	2.73	2.71	2.55	.0	..	..	..	..
1893	70.8	98	41	3.43	3.17	3.84	3.38	.0	..	..	..	..
1894	71.5	103	38	1.35	2.28	1.88	2.07	.0	6	14	12	5
1895	73.3	104	40	2.84	2.45	3.97	3.01	.0	8	15	11	5
1896	72.6	97	40	1.85	2.54	3.22	2.82	.0	7	15	12	4
1897	70.9	100	42	2.33	3.24	2.86	2.91	.0	9	13	14	4
1898	73.7	96	44	7.40	7.63	6.86	**7.51**	.0	12	12	12	7
1899	73.5	100	34	3.04	2.17	2.70	2.64	.0	6	15	11	5
1900	**76.0**	100	45	1.48	3.38	3.37	3.15	.0	8	17	10	4
1901	73.6	98	43	6.57	4.40	5.41	5.14	.0	12	10	13	8
1902	70.4	98	35	2.31	2.82	1.97	2.40	.0	7	15	13	3
1903	71.4	105	38	3.67	2.61	2.34	2.64	.0	8	12	13	6
1904	70.7	95	32	1.98	2.60	3.52	2.88	.0	9	15	10	6
1905	71.3	96	40	4.70	4.28	4.08	4.25	.0	9	14	11	6
1906	75.4	98	47	7.19	4.92	4.77	5.15	.0	13	10	13	8
1907	69.4	93	41	3.51	4.24	5.40	4.64	.0	11	13	10	8
1908	70.9	101	37	3.50	2.62	2.74	2.82	.0	7	15	10	6
1909	70.8	99	37	2.77	3.79	2.43	3.03	.0	6	16	10	5
1910	70.8	98	39	1.60	1.99	2.09	2.03	.0	5	17	10	4
1911	73.5	105	40	8.50	7.40	5.67	6.71	.0	12	13	10	8
1912	69.3	95	35	2.20	3.57	4.35	3.64	.0	11	10	13	8
1913	72.7	102	37	3.09	2.86	3.42	3.18	.0	6	19	7	5
1914	71.8	100	40	3.84	5.29	4.68	4.86	.0	10	15	9	7
1915	69.4	99	36	6.99	5.24	8.65	4.84	.0	14	10	11	10
1916	72.9	104	40	2.35	4.73	5.67	4.76	.0	10	14	9	8
1917	71.6	102	39	4.06	4.15	2.76	3.53	.0	8	17	8	6
1918	**76.0**	110	43	3.83	4.19	3.82	3.96	.0	9	17	8	6
1919	70.2	100	40	2.64	5.43	4.28	4.54	.0	11	16	9	6
1920	71.1	95	42	5.98	4.19	3.86	4.27	.0	14	9	10	12
1921	69.7	98	37	4.39	5.55	5.01	5.20	.0	9	16	8	7
1922	68.9	98	31	2.82	3.64	4.47	3.87	.0	10	14	9	8
1923	71.0	99	33	3.00	4.66	4.60	4.39	.0	10	15	8	8
1924	71.7	104	34	2.65	4.77	5.21	4.63	.0	9	18	8	5
1925	70.7	100	33	2.56	1.89	1.58	**1.86**	.0	7	18	8	5
1926	74.0	105	38	7.86	6.91	6.69	6.94	.0	13	13	7	11
1927	**67.1**	94	34	3.35	4.20	4.89	4.33	.0	11	12	9	10
1928	74.0	103	39	5.70	5.23	5.44	5.36	.0	14	11	8	12
1929	69.1	101	33	1.59	3.66	3.61	3.31	.0	7	16	8	7
1930	70.7	**112**	**30**	2.24	1.93	2.93	2.20	.0	8	15	8	8
1931	71.6	102	39	4.91	6.56	6.65	6.38	.0	14	11	9	11
1932	72.1	104	38	2.33	3.55	2.58	3.04	.0	6	20	7	4
1933	71.5	102	38	6.31	5.68	4.55	5.38	.0	11	13	10	8
1934	71.6	99	35	4.08	5.73	5.40	5.37	.0	11	14	9	8
1935	73.2	101	33	4.48	8.02	5.57	6.71	.0	12	12	12	7
1936	75.2	105	36	3.50	4.29	3.65	3.96	.0	11	14	10	7
1937	74.4	101	40	8.42	5.11	5.90	5.83	.0	13	12	10	9
1938	73.7	100	35	2.54	2.19	3.19	2.58	.0	8	18	9	4
1939	72.7	99	35	2.44	2.09	2.27	2.19	.0	8	15	11	5
1940	71.4	98	34	4.81	4.41	5.47	4.83	.0	11	11	11	9
1941	71.2	102	32	4.63	5.59	3.69	4.80	.0	9	17	9	5
1942	71.1	100	**30**	7.44	7.24	7.08	7.22	.0	14	9	12	10
1943	72.3	105	38	2.26	5.15	3.13	3.95	.0	9	16	9	6
1944	72.2	105	32	2.01	3.14	3.09	2.96	.0	10	14	10	7
1945	71.0	98	31	3.77	4.30	2.77	3.72	.0	7	16	9	6
1946	67.4	98	**30**	3.25	2.64	2.63	2.75	.0	7	12	11	8
1947	75.8	101	39	3.35	4.23	5.67	4.65	.0	11	12	12	7
Period	71.8	112	30	3.80	4.20	4.14	4.09	.0	10	14	10	7

Climatological Data for August 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	69.3	+3.5	87	12†	44	2†	4.22	−0.16	3.35	14	0	10	17	8	6	w.	Howard R. Fulk
Franklin	Pendleton	1,750	9	.....	.....	.....	.....	.....	.....	4.51	.....	1.20	22	0	11	.....	.....	.....	.....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	4.00	+0.01	1.84	27	0	7	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	76.3	+3.7	99	14†	55	2†	2.02	−1.91	1.02	17	0	6	5	23	3	e.	H. W. Prettyman
Kearneysville	Jefferson	548	17	76.0	+1.7	98	31	56	2†	3.45	−0.30	1.54	17	0	9	14	10	7	se.	University Exper. Station
Martinsburg	Berkeley	545	55	75.8	+2.8	95	14†	57	2	3.75	−0.31	1.74	16	0	11	7	14	10	se.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	13	73.6	+2.3	101	14	46	2	1.59	−1.40	0.73	22	0	7	7	13	11	w.	R. E. Saville
Petersburg	Grant	1,029	8	77.0	.....	99	14	53	7	1.76	....	0.80	17	0	12	3	18	10	s.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	75.8	+5.3	95	14	55	1†	6.94	+3.35	3.04	26	0	11	7	11	13	s.	C. A. Suter, Jr.
Romney	Hampshire	824	46	76 5	+3.9	96	13†	53	1	1.22	−2.39	0.36	15	0	10	*13*	8	10[1]	.....	Marion W.Haines
Spruce Knob	Pendleton	4,550	15	.....	.....	.....	.....	.....	.....	6.87	+1 22	1.72	26	0	12	.....	.....	.....		Moses R. Bennet
Stony River Dam	Grant	3,300	15	.....	.....	.....	.....	.....	.....	1.66	−2.92	0.84	17	0	8	6	4	21	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	29	74.6	+5.1	98	14	50	31	4.50	+0.87	2.46	24	0	7	19	9	3	nw.	Reymann Memorial Farm
Means and Extremes	...	.....	....	**74.8**	.....	**101**	**14**	**44**	**2†**	**3.35**	.....	**3.35**	**14**	**0**	**9**	**10**	**12**	**9**	w.	
Northern Division																				
Aberdeen, 2 mlles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	1.98	−2.50	1.11	27	0	8	7	18	6	w.	L. Esie Bond
Benson	Harrison	1,080	22	76.9	+6.2	96	20	52	2	2.88	−1.57	0.85	4	0	8	14	16	1	.....	R. D. Marts
Bens Run	Pleasants	652	46	79.8	+6.2	97	12†	55	1	3.50	−0.74	0.97	23	0	10	19	11	1	.....	Mrs C. W. Rea
Brandonville	Preston	1,798	6	72.1	.....	90	13†	50	1†	4.65	.....	0.79	1	0	13	.....	.....	.....	.....	James 1. Galloway
Brownsville‡	Lewis	1,032	23	75.6	+3.4	96	25	52	17	2.06	−2.21	0.90	4	0	9	13	15	3	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	74.1	+4.2	91	12	52	2	3.37	−0.72	1.67	26	0	10	3	24	4	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	76.9	+4.4	93	12†	54	2	3.09	−0.78	1.75	15	0	7	14	14	3	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	66.6	....	86	13	39	2	6.22	.....	2.10	8	0	15	1	23	7	e.	George B. Thompson
Clarksburg	Harrison	1,015	24	75.6	+3.6	97	14	55	2	2.38	−2.10	1 15	17	0	7	20	7	4	se.	Clarksburg Water Board
Creston	Wirt	640	46	77.9	+4.8	95	4†	51	2	3.98	+0.12	1.00	15	0	10	12	12	7	.....	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	77.2	.....	95	11†	56	1	2.24	−1.82	0.66	17	0	13	19	9	3	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	2.18	−1.19	0.59	15	0	8	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	.....	.....	.....	.....	.....	2.81	−1.32	0.53	1	0	13	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	5.14	+1.48	1.69	8	0	10	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	5.64	+1.85	2.35	15	0	11	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	72.2	+3.9	88	13	48	2	2.18	−1.68	0.58	17	0	10	2	15	14	se.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	76.8	+4.1	95	13†	56	1†	3.52	−0.48	0.81	21	0	12	7	16	8	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	77.0	+3.1	92	11†	56	2	3.44	−0.79	1.43	18	0	11	7	13	11	w.	Fred W. Wells
Grafton	Taylor	1,100	53	73 6	+2.2	92	12	50	1	4.49	+0.78	1.40	21	0	13	8	18	5	sw.	William D. Myers
Harrison County Airport	Harrison	1,188	7	74.5	.....	92	13	53	2	3.26	.....	0.93	17	0	11	3	16	12	sw.	U. S. Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	.....	.....	.....	4.21	−0.92	1.44	26	0	10	9	17	5	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	2.50	−2.35	0.81	18	0	10	..	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	6	67.6	.....	85	13	43	2	3.89	.....	1.12	20	0	16	27	3	1	.....	O. C. Hamilton
Mannington, 1½ mi. NW.	Marion	974	45	75.2	+5.0	94	12†	50	1	4.91	+0 83	1.42	17	0	13	16	8	7	w.	James A. Morgan
Middlebourne, 2½ mi. SE.	Tyler	750	6	76.9	.....	95	20	54	2	4.80	.....	2.18	26	0	9	11	10	10	se.	L. A. Crumrine
Morgantown	Monongalia	1,250	71	76.2	+4.2	94	13	56	1	4.66	+0.65	1.95	25	0	11	18	9	4	.....	Prof. L. M. Peairs
New Cumberland	Hancock	671	52	76.6	+5.8	98	14†	50	1	2.72	−0.67	0.52	31	0	10	13	8	10	se.	C. O. Valentine
New Martinsville	Wetzel	637	53	78.4	+4.7	98	12	53	1	7.74	+3.85	1.84	4	0	12	22	6	3	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	78 7	+4.8	95	11	56	1	9.03	+5.52	3.07	15	0	10	6	13	12	se.	Section Center
Parsons	Tucker	1,649	48	73.9	+4.5	92	13	51	2	2.43	−1.62	0.96	17	0	15	2	16	13	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.. ..	.....	.....	.....	.....	.....	6.29	+2.05	1.78	4	0	11	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	.....	1.43	−2.91	0.62	4	0	7	.....	.....	.....	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	75.6	.....	94	13	54	2	4.19	−0.34	1.15	16	0	12	..	.....	.....	.....	W. H. Bolyard
Saint Marys	Pleasants	625	36	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Thomas	Tucker	2,950	18	.. ..	.....	.....	.....	.....	.....	4.60	−0 49	1.07	1	0	12	....	.....	....	....	W. Sleeman
Valley Chapel	Lewis	1,011	23	78.2	+5.7	98	23	53	11	1.99	−2.17	0.60	4	0	8	7	20	4	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	77.4	+7.1	95	11†	50	1	4.15	+0.59	1.33	15	0	8	12	16	3	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	3.40	−1.22	1.13	26	0	8	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,0 2 6	56	78.2	+5.5	96	12†	57	2	2.52	−1.18	0.82	4	0	9	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	77.8	+5.0	95	5†	53	1	3.34	−0.21	1.14	26	0	8	14	12	5	sw.	Lockmaster
Means and Extremes	.....	.....	....	**75.6**	.....	**98**	**12†**	**39**	**2**	**4.23**	.....	**3.07**	**15**	**0**	**11**	**11**	**14**	**6**	sw.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	....	.....	.....	.....	.....	4.25	−0.06	1.39	16	0	17	6	18	7	nw.	H. S. Sutton
Athens	Mercer	2,600	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Concord College
Bluefield	Mercer	2,558	52	74.0	+3.5	88	1	56	2	5.32	+1.71	1.89	3	0	11	16	11	4	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	78.0	.....	95	11†	59	2	6.45	.....	1.27	4	0	16	14	8	9	.....	Willard F. Russell
Charleston	Kanawha	615	60	80.8	+5.5	100	19†	59	2	5.84	+1.37	2.23	4	0	13	17	9	5	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	78 4	.....	95	11†	57	1†	4.70	.....	1.28	3	0	11	2	18	11	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	67.0	.....	84	20	46	29	6.04	.....	1.50	5	0	15	11	9	11	w.	Department of Justice
Flat Top	Mercer	3,270	9	69.8	.....	85	25	51	2	8.55	.....	2.01	4	0	15	1	20	10	nw.	U. S. Airway Station
Gary	McDowell	1,426	30	76.1	+4.1	91	4†	58	2	9.66	+5.55	2.84	4	0	18	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	78.6	....	95	20†	58	2	3.50	.....	1.57	1	0	6	*19*	2	10	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	78.7	+5.4	99	22	59	2	6.16	+2.00	2.60	5	0	13	*14*	7	*10*	.....	Mrs. M. L.McClung
Huntington	Cabell	571	51	79.7	+4.9	96	4†	61	1†	3.30	−0.40	0.80	3	0	12	6	22	3	nw.	H. N. Robinson
Kayford	Kanawha	1,335	30	.. ..	.....	.....	.....	.....	.....	5.03	+0.20	1.40	20	0	8	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	73 2	+3.8	88	4†	51	3	4.85	−0.90	1.99	1	0	14	18	11	2	.....	Prof. H. B. Graybill
Logan	Logan	700	34	79.8	+4.8	96	4†	62	1†	5.31	+0.82	2.56	3	0	12	18	10	3	.....	J. W. Ruff
London Locks	Kanawha	623	12	77.8	.....	94	20	58	2	7.15	+2.86	1.80	4	0	12	....	.	....	se.	Lockmaster
Madison	Boone	675	26	78.0	+3.6	93	4†	60	2	5.24	+1 42	1.94	14	0	11	22	8	1	.. .	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	73.7	.....	87	4†	57	2	5 83	.....	2.00	4	0	12	15	7	9	.....	M. H. Martin
Pineville	Wyoming	1,350	5	74.7	.....	92	10†	51	2	6.81	....	1.80	3	0	12	11	*14*	6	....	Walter C. Byrd
Point Pleasant	Mason	595	57	79.6	+4.9	95	11†	58	1	4.16	+0.95	1.31	26	0	11	16	6	9	se.	E. C. Winger
Rainelle	Greenbrier	2,424	16	73.6	+5.3	91	20	50	2	4.67	−1.11	1.25	15	0	18	9	7	15	..	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	78.6	+5.7	94	20	56	2	4 72	−1 37	1.45	16	0	13	14	4	13	nw.	Lockmaster
Richwood	Nicholas	2,193	16	71.8	+1.4	89	2	49	29	9.26	+4.10	4 25	1	0	10	20	9	2	.....	Richwood Water Co.
Ripley	Jackson	610	5	78.8	.....	95	4†	56	2	4.40	.....	1.44	15	0	13	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	48	76.4	+4.1	91	12	55	2	4.13	+0.16	0.85	3	0	13	*11*	19	1	.....	A. M. McKown
Summersville	Nicholas	1,900	11	73.0	.....	91	11	50	1	5.62	.....	2.31	3	0	10	4	27	0	.....	A. E. Dorsey
Sutton	Braxton	850	44	78.2	+5.1	97	20†	53	2	3.35	+0.90	1.30	12	0	7	.....	.....	.....	.. .	C. B. Eakle
Union	Monroe	2,200	43	73.0	+2.8	89	4†	52	2	8.72	+4.79	1.77	22	0	17	18	5	8	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	74.7	.....	90	20	54	2	7.63	.....	3.25	10	0	12	18	10	3	e.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	72.7	+2.4	91	13†	51	3	5.41	+1 82	2.05	1	0	13	4	19	8	w.	Greeubrier Hotel
Williamson	Mingo	673	46	80.2	+5.4	96	4†	63	2	8.83	+4.84	4.00	2	0	13	14	13	4	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	79.0	.....	95	20	59	2	5.56	.....	0.97	14	0	13	10	15	6	w.	Lockmaster
Means and Extremes	...	.....	...	**76.2**	.....	**100**	**19†**	**46**	**29**	**5.67**	.....	**4.25**	**1**	**0**	**13**	**13**	**12**	**6**	w.	
State Averages and	Extremes	.....	...	**75.8**	**+4.0**	**101**	**14**	**89**	**2**	**4.65**	**+0.56**	**4.25**	**1**	**0**	**11**	**12**	**12**	**7**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated.

Daily Precipitation for August 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac				.05				T.	T.	T.		T.	2.00	1.35	.05	T.	.25	.07	.05	.35	T.			T.	T.	.02	.03				T.	4.22
Brushy Run[2]	do.	.76			.02								.04				.86	.03	.19	.36	.02	T.	.24				.46						2.98
Franklin	do.	.50				.03				.10			.14				.33	.93	.41		.07			1.20			.15	.65					4.51
Harpers Ferry[2]	do.	.40			.41						.07							.42	.60			.25	.08					1.84					4.00
Inwood	do.				.12						.04					.25	.04	1.02	.08			.30	.30					T.					2.02
Kearneysville	do.															.55	.04	1.54	T.			.98	.12				.03	T.			.03		3.45
Knobly Mountain[2†]	do.																																
Martinsburg[4]	do.			.54	.16					.09						.32	1.74	.18	.06		.41	.03	.21				T.	T.	T.		.01	T.	3.75
McNeill[†]	do.								T.							.37	.04	.22	.03			.10	.73		T.	.10	T.	T.					1.59
Petersburg	do.			.02	.01			T.	T.	.02	.02					.23	T.	.80	T.		.22		.12		.02	.07	.14	.09	T.				1.76
Piedmont	do.	.18								.07								.80	.58		.66	.11	1.25		.01	.23	3.04	.02					6.94
Romney	do.	T.												.03	.36	.27	.23	.02	.02	.10	.06						.01	.12					1.22
Springfield[2]	do.	.95			.04											.11	1.10	.07			.10			.06			.47	.17					3.07
Spruce Knob[2†]	do.	.64			T.				.38				1.38	.67		.28	.08	.64	.28	.44				.36			1.30	.42					6.87
Stoney River Dam[2†]	do.				.04					.23							.11	.84			.28			.05				.07	.04				1.66
Wardensville[2]	do.	.66															1.02	.15			.10	.09				2.46	.02	T.					4.50
Northern Division																																	
Aberdeen†	West Fork			T.	.20						.30	.06	T.		T.	.03		.13	.03			T.	.12					1.11	T.				1.98
Belington[2]	Tygart	1.26			.55	.23					.45				1.55	.04		.56	.76			.29		.11				.93					6.73
Benson†	West Fork				.85					.23						.12		.30		.37		.60						.35				.06	2.88
Bens Run	Ohio					T.			.13						.29	.47	.13	.42				.03		.97			.77	.03				.26	3.50
Big Skin Creek	West Fork				.60						.10	.09					.08					.09			.09		.80	.09				.02	1.96
Brandonville[2]	Cheat	.79			.27						.34							.34	.41		.11	.23	.32	T.	T.	.39	.62	.04		.18		.61	4.65
Brownsville†	West Fork				.90											.04		.25	.07	.14		.12			.12	.06		.36					2.06
Buckhannon	Tygart	T.		.02	.19									.70		.01		.25	.05				.21			.21	1.67	.06	T.	T.			3.37
Cairo	Litl. Kanawha				.60	.20				T.			T.		.30	1.45	T.		.34			.10	T.					.10					3.09
Canaan Valley	Cheat				.06			2.10	.05		.06				.48	.73	.03	.24	.11		.06	.12			.62	1.42	.08	.06					6.22
Clarksburg[2]	West Fork	.40			.18													1.15				.04		.17				.40				.04	2.38
Crawford	do.				.37																	.04											1.32
Creston[2]	Litl. Kanawha	T.			T.	T.										.25	.11	.04				.05	.03	.01	.05		.32	.09					3.98
Dailey[2†]	Tygart	.75			.15	T.			.06				.06		1.00	.30	.49	.58	.29				.42		T.			.55				.23	4.98
Dam 10, Mon. R.[2†]	Monongahela	.29			.40					.04	.01			1.12	.63		.18	.09		.72	.06	T.	.25		.39	.28	.31						5.24
Dam 13, O. R.[2†]	Ohio	.09			.37	.39					.07	T.			.08		.54	.12	T.		.03	.12			T.	.32	.06	.02			.15		2.18
Dam 15, Mon. R.[2†]	Monongahela	.53			.47				.03		.23			.30		.33		.44	.21				.04	.02		.05	.12				.04		2.81
Dam 19, O. R.[2†]	do.							1.69		T.					.50	.96	.16	.08				.41		.02			.58	.02			.72		5.14
Elk†	West Fork								.79						•	2.35	.90	.06	.02			.48		.02			.28	.01			.73		5.64
Elkins[1†]	Tygart			T.	.15		T.	T.	.40					.14	T.	.11	.48	T.	T.	.27	T.	.03					1.66				.07		5.10
Fairmont[2]	Monongahela			.61					.05	.07			.12	.18		.12	.41			.41	.81		.36	T.		.34			T.		.01		2.18
Glenville[2]	Litl. Kanawha	.06			.18				.55		.02			.09		T.	T.	.02	.37	1.43		T.	.13				T.	.51				.08		3.44
Grafton	Tygart				.55					.03	T.		.33			.15	T.	.49	.15	.15	.32	1.08	.01				1.11	.10				.02		4.49
Hackers Creek†	West Fork				.55				.06						.30			.69				.16						.83		T.			2.59
Hall[2]	Tygart	1.24			.89										.33	.04		.34	.53	.03		.09	T.	.69	.46		1.44			T.		6.08
Harrison Co. Arpt[4]	West Fork			.25	.01										T.	.25	.03	.93			.69	.05	.10	.01	T.		.90				.04		3.26
Hastings	Ohio				1.10				.04						.18	T.	.02	.30	.39			.30	.25				1.44	T.			.19		4.21
Horner	West Fork																																
Ireland	do.				.68								.11														.35					.08	1.22
Jane Lew	do.				.49					.04							T.	.01	.81	.21		.08					.15	.01	.67	T.			.03	2.50
Kumbrabow St.For.†	[2]Tygart	.01		.03	.33				.09	.01	T.				.93	.08		.09	.45	.20	1.12	.05	T.		.10	.13	T.	.23	.04				3.89
Mannington	Monongahela				.80										.16	T.	.04	1.42				1.39	.03	.10	.01		.38	.09	.01			.19	4.91
Middlebourne[2]	Middle Is. Crk.				.13	T.			.29							.81	.37	.40	.49				.18					2.18				.16	4.80
Midvale[2†]	Tygart	1.03			.35				.08						.89	.21	.02	.18	.51	.04		.80	.04	.66	.04	.02		.35					5.17
Morgantown	Monongahela				.32										.45		.20	.95	T.		T.	.19	.03		T.	1.95	.05	T.				.21	4.66
Mt. Clare	West Fork				.12				.28	T.	.03				T.	.04		.50			.60	.04	.43				1.24				.05	.03	3.05
New Cumberland	Ohio			•	.33											.37	.38	.07			.08		.48		T.		.47				.02	.52	2.72
New Martinsville	do.				1.36	.48			.25	.28					.80	.10	.07	.83				.86		.77			1.67				.27	7.74
Parkersburg[1]	do.						.57	.11				T.	2.33	.81	.02	1.34					1.93					.08	.81				.73	9.03
Parsons	Cheat	.01			.05	.01			.04	.23					.04	.01	T.	.56	.39		.73	.22	.05	.01	T.	.03		.05					2.43
Philippi[2]	Tygart	.99			1.78						.73					T.	T.	.66	.24	.32		.12	.16	.23	.10			.96			T.		6.29
Roanoke	West Fork				.62									.03				T.	.23	.12		.35					.06					.02	1.43
Rockford†	do.				.17										T.	.07	T.	.75	T.		.24	T.	.25				2.90	.10					4.48
Saint Marys[2]	Cheat	.18			.07	T.			T.	.11				.03	T.		.93	.22	.68		.63	.94	T.	.22			.04	.14			T.		4.19
Salem	Ohio																																
Sand Fork	West Fork				.83												T.	.49				.03	T.	.25			.72	.08				T.	2.40
Shinnston	Litl. Kanawha			.01	.33									.38				.46	.27		.01	.05	.02				.02	.62				.03	2.20
Thomas[2]	West Fork				.37				.05	T.			.13			.20	.87					.75	.21				.45	.05					3.08
Upper Davisson Run	Cheat	1.07										.65			1.00	.05	.20	.22	.19	.09	.12					.20	.19	.62					4.60
Valley Chapel	West Fork				.49					T.			T.		T.	T.	.73			T.	.02	T.	T.		T.	1.00	T.				.04	2.28
Valley Head[2]	do.			T.	.60	.02									.14		.16	.26			T.	.02		.38			.28				.02	2.52
Vandalia†	Tygart	.82			.38						.64				.23		T.	.50	.17		.21	T.					.24				.02	1.99
Wellsburg (near)	West Fork				.20										.97	.02	.66		.30	1.65			.43	.05			.48						5.41
West Milford	Ohio		T.		1.01			.25					.10		.20	.30	.38		.20	.10	.42				.20	.70	.20						3.25
Weston[2]	West Fork				.35				.03					.05	1.28	.30					.19	.29				1.00						4.15
Wheeling (Dam 12)[2]	do.	.44			.82					.30							.80				.26	.16	.35				1.13				.05	3.40
Southern Division	Ohio					T.									.97	.44	.02				.11	.06		T.		.35	1.14			T.	.25	3.34
Arbovale	Greenbrier				.08	.08			.43	.10		.30	.26		.12	T.	.05	1.39	.09	.07	.76	.27	.10				.03	.07		.05	T.		4.25
Athens	New			.91	1.16	.43	.16		.29				.06	.53		.14	.32	.48		T.	1.10												§§
Bluefield	do.	.35		1.89	1.48	T.	.02								T.			.26		.03	.56	.19	.04			.31		.19					5.32
Bluestone Dam	do.	.71	T.	.10	1.27	.98	.40		.21	.15						.24		.16	.27	.24	.22		.32	T.	.32		.36	.50					6.45
Camden-on-Gauley[2]	Gauley	2.03			.75				.07		.56	.34			.04		.13	.02		.25	.26		.34			1.09	.84	.36		.02			7.10
Charleston	Gr. Kanawha	.01		2.20	.03				1.22			.11		.05	.86	.02		T.	T.					T.	.01	.02	1.25	.02				.04	5.84
Charleston Airport[4]	do.		T.	1.28		T.	T.	.28	.36				.81		1.02		.28	T.			T.	.07	.06	.01	.40	T.					.13	4.70
Coalwood	Big Sandy	.53		2.14	1.10		.02				.02	.30	.08			.03	.01	T.	.03		.16	.16	.01	.10	.57	.02	1.26	.11	.15				6.80
Cranberry Glades	Cranberry	.12				1.50	T.	.11	1.00		1.44	.20	.20			.20		.23	.09	.05	.02	T.				.67	.09	.12					6.04
Flat Top[4]	New	.08		1.40	1.21	1.23			.36	.01			.63							.07	.95	.63	.26	.49	.99	.09	.15						8.55
Gary[2]	Big Sandy	.32	T.	1.41	2.84		.02		.35						1.25		.06	.01		.20	.50	.30	.70	.01	.10	.17	.09	1.22	.11				9.66
Hamlin	Mud	1.57		1.12				.29									.31						.11				.10					3.50
Hinton[2]	New			.86	.39	.85	1.75		.25	.09			.25				.36	.05	.15							.48		.06	.62					6.16
Hogsett	Ohio	.33	.01	.29	.72				.12						.38	.03	.27		.87	T.	T.		.32	.13	.05			.75	.09			.08	4.44
Huntington	do.	.08		.80	.06	T.			.36				T.		.01	T.	T.	.60	.14	.45		.03	.23				45					.09	3.00
Kayford[2]	Gr. Kanawha	.25		.50	.33				.60												1.40		.65				.38	.92					5.03
Lewisburg	Greenbrier	1.99	T.	.41	.30	.64			.04	T.		.02	.32			.09					.20	.23	.06	.08			.17	.30					4.85
Logan[2]	Guyandot	.75	T.	2.56	T.		T.	.81	T.		.60			.02	.04		.21		.06				.09		.15		.01	.01			T.	5.31
London Locks[2†]	Gr. Kanawha	.02		.05	1.80	T.						.43	T.	.93	.03				.21	.29	.91		.72	T.			.12						7.15
Madison[2]	Coal	.48		1.35	.01		.14	.10					.01		1.94			.23	.80									.10	.08				5.24
Oak Hill	New			.67	2.00			.55																									
Pineville[2]	Guyandot		.11	1.03	1.80		T.	.14	T.	T.	T.		.33	T.	T.		.28	1.32		.06	.06		.10	.03	.22		.10	.44					5.83
Point Pleasant[2]	Ohio	T.		.89	.31	T.			.05						.07	.59	.02			T.		.37	.13			.04	1.27				.42		6.81
Princeton[2]	New	.30		T.	2.43	.07	.01		.03							.15	.99	.26	.02	2.08		.08	1.25	.10		.06		.35					4.16
Rainelle	Greenbrier	.90		.67	.33	.42	.01	.01	.40	.04			T.		1.25	.13	.05	.03	.14	.02	T.	T.	.04		.08	.13	.02						8.18
																																	4.67

Continued on next page.

Daily Precipitation for August 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio			.53	.06				.20	.07					.18	.08	1.45	.03	.27				.60		.65			.20				.40	4.72
Richwood [2]	Gauley	4.25			1.87		.28		.48			48		.37		.17	.45	.31					.52	.12	.16			.08	.02				.29	4.40
Ripley	Ohio			1.03	.02				.19						.01	1.44	.01	.51										.02				.18	4.13
Spencer [2]	Litl.Kanawha			.85	.31	.14	.01		T.					.76	.01	.29	.23	.15	.68	.50							45						5.62
Summersville [2]	Gauley		.49	1.82				.60		.08		.30		T.		.30	.45		.70				.43		T.		.32	.66					3.85
Sutton	Elk				.16				.65					1.30								.20	.06									8.72
Union [2]	New	1.25		.42	.42		.40		.09	.53		T.					.29	.24	.39		.45		.37	1.77	1.14	.03	.02	.03	.88	T.		.11		4.27
Wayne [2]	Twelvepole	.04		2.76	.04				.30						.09			.07	.75	.06	.05							1.37	.61	.48				7.63
Webster Springs	Elk	T.		.02	.23	T.	.16				1.70	1.55	.77	T	T	.03	T.		.64	T.	T.	.07			.25	.05	T.		52		.38	.60			5.41
White Sulp'r Spgs.	Greenbrier	2.05		.43	.11			.01	.43			.05	.48			T.		.05		T.			.25	.05	T.			52		.07				8.83
Williamson [2]	Big Sandy	.20	4.00					.19	.10	.49		.76						.53	.24	.21				.41		.13	1.50		.07				.08	5.56
Winfield Locks [2†]	Gr Kanawha	.13		.32	.51				.28			T.			.69	.97	.59		.96				.08	.14	.67			.14					

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont [5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for August 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	81	79	79	83	81	81	81	81	82	85	86	82	86	84	81	82	82	83	86	87												
	Minimum	62	62	62	62	60	62	63	65	61	62	60	60	60	62	58	60	66	65	65	62												
Bayard	Maximum	73	80	80	82	82	83	78	85	84	84	85	87	87	87	87	84	80	82	86	87	79	77	81	82	84	82	73	78	81	85	82	82.2
	Minimum	48	44	47	59	57	55	44	54	55	54	59	56	56	55	54	60	65	64	61	61	63	61	63	56	56	58	60	59	50	57	59	56.4
Bluefield	Maximum	88	81	83	87	84	83	82	81	83	85	85	84	87	86	82	80	84	84	86	85	86	84	83	83	84	80	81	82	83	82	84	83.6
	Minimum	64	56	63	63	63	65	64	65	61	62	69	66	64	68	65	64	65	66	70	63	64	64	66	66	67	67	68	67	58	62	63	64.3
Buckhannon	Maximum	76	81	77	88	88	88	85	84	87	88	90	91	90	85	83	85	87	89	89	90	86	80	87	88	88	82	79	84	86	88	87	85.7
	Minimum	56	52	60	60	62	61	60	64	62	61	60	63	65	62	61	63	67	66	74	62	64	65	63	64	63	64	64	64	57	62	65	62.5
Charleston (Airport)	Maximum	82	85	86	94	93	94	86	88	91	92	95	92	92	85	86	88	90	94	94	95	93	90	90	93	94	87	84	89	92	93	88	90.2
	Minimum	57	57	66	68	67	65	67	66	68	66	66	69	70	67	69	66	69	70	72	69	69	68	69	66	68	68	69	63	62	65	66	66.7
Clarksburg [3]	Maximum	78	82	81	89	90	85	86	84	84	89	90	91	93	97	82	84	88	88	90	92	81	79	89	93	88	83	82	85	88	89	86	86.6
	Minimum	56	55	60	61	63	63	61	64	66	62	63	66	68	65	65	65	69	69	69	69	66	68	67	67	67	68	66	65	59	66	67	64.5
Cranberry Glades	Maximum	72	73	80	83	71	72	71	77	70	80	82	83	82	81	79	72	81	80	80	84	82	81	72	81	80	80	78	78	80	78	81	78.1
	Minimum	49	51	50	53	50	55	50	56	52	54	61	62	62	61	61	59	66	67	67	66	65	67	59	65	54	54	54	53	62	46	54	52	56.0
Elkins	Maximum	74	81	72	84	86	85	82	82	85	85	87	88	88	85	81	83	83	85	86	87	84	79	85	86	84	83	79	81	83	85	84	83.3
	Minimum	52	48	54	59	62	58	56	64	61	61	62	65	61	61	61	59	66	67	67	66	65	66	64	61	63	64	63	61	59	60	62	61.2
Fairmont [3]	Maximum	81	85	84	92	92	92	89	87	90	90	94	93	95	90	83	87	90	91	93	95	75	78	91	90	92	83	81	87	89	91	90	88.4
	Minimum	56	56	60	62	64	64	61	67	65	62	64	67	68	67	65	67	69	69	69	69	67	67	69	66	69	67	68	68	64	62	65	67	65.2
Flat Top	Maximum	76	78	76	83	80	79	77	78	81	82	83	80	82	79	78	81	80	80	83	82	80	78	71	79	85	76	75	77	80	82	77	79.3
	Minimum	61	51	60	59	60	61	57	60	57	55	65	60	62	60	60	61	62	64	66	61	61	63	65	63	60	63	61	61	54	59	58	60.4
Gary [3]	Maximum	83	86	83	91	89	90	85	86	90	91	90	89	91	86	84	85	89	87	90	90	90	87	85	90	89	80	83	85	88	90	84	87.3
	Minimum	64	58	63	65	64	62	63	66	66	64	64	66	68	65	67	67	67	68	67	66	62	68	69	65	66	66	68	67	62	59	61	64.9
Glenville	Maximum	80	82	82	90	90	91	88	85	87	89	92	91	91	84	84	84	87	90	90	92	90	85	87	90	90	84	82	86	87	89	87	87.3
	Minimum	59	56	63	63	68	64	63	66	67	66	65	70	71	68	68	66	71	71	72	71	68	69	70	69	68	67	68	69	61	64	67	66.7
Grafton	Maximum	75	82	80	87	89	88	87	83	87	89	91	92	91	88	81	85	87	87	88	91	86	79	89	87	88	82	82	84	86	87	83	85.8
	Minimum	50	52	55	59	60	60	55	67	62	58	61	63	65	63	60	63	66	65	65	64	62	66	62	65	63	66	66	60	58	63	63	61.5
Huntington	Maximum	83	85	87	96	94	92	88	91	89	91	96	92	90	86	86	86	89	91	90	92	92	88	87	90	90	87	83	89	88	92	88	89.3
	Minimum	61	61	69	72	73	68	69	72	71	72	70	71	71	71	71	71	70	74	72	75	71	73	71	73	70	69	72	71	70	64	65	70	70.1
Lewisburg	Maximum	82	84	82	88	82	81	85	84	86	84	87	87	88	86	85	87	87	84	88	88	88	88	75	84	86	85	84	84	84	87	88	85.1
	Minimum	62	57	51	62	63	60	57	62	61	58	62	64	66	60	61	60	66	65	66	65	63	62	67	62	63	62	62	63	54	57	59	61.4
Logan [3]	Maximum	86	87	87	96	95	94	87	90	92	94	91	93	95	85	87	91	89	92	94	95	95	89	93	87	93	87	84	92	92	96	88	90.8
	Minimum	62	62	66	69	72	67	67	68	69	70	67	69	71	69	70	69	70	70	72	71	74	71	70	69	69	68	71	71	65	65	67	68.7
Madison [3]	Maximum	83	85	86	93	92	91	85	89	90	91	93	90	92	90	86	89	89	92	92	92	93	89	85	90	91	85	84	86	88	90	86	88.9
	Minimum	64	60	66	68	66	66	67	66	67	68	65	68	69	66	68	66	69	69	70	70	69	70	68	70	68	66	66	70	69	70	63	64	67.2
Mannington	Maximum	80	87	84	90	92	91	88	84	89	92	93	94	94	89	83	84	87	92	92	94	90	82	91	92	92	85	82	86	89	91	84	88.5
	Minimum	50	52	55	60	60	61	57	64	65	60	61	67	66	63	62	63	65	67	67	64	64	65	64	65	65	65	65	61	57	61	62	62.0
Martinsburg	Maximum	77	79	82	80	83	89	86	86	88	82	85	92	94	95	95	92	88	75	90	92	77	74	85	90	90	90	74	81	87	87	87	85.5
	Minimum	61	57	60	67	64	59	65	66	66	64	70	66	68	68	66	68	71	70	70	70	70	70	68	65	67	66	67	65	60	66	66	66.0
Middlebourne	Maximum	78	81	85	90	91	88	84	85	86	89	93	94	93	88	81	86	86	91	92	95	90	86	90	90	91	86	88	86	88	89	88	88.0
	Minimum	55	54	60	64	66	64	63	69	66	65	65	67	68	68	67	67	68	69	70	71	68	67	68	68	67	67	68	65	60	66	69	65.8
Morgantown	Maximum	76	86	85	88	89	90	88	85	87	88	92	91	94	90	83	87	83	85	89	90	79	78	86	90	90	82	79	84	85	89	83	85.2
	Minimum	56	57	60	61	63	63	60	68	67	62	66	68	69	68	67	69	70	71	70	68	68	69	67	69	67	68	69	64	63	67	75	66.1
New Martinsville	Maximum	81	83	86	92	93	91	92	87	88	92	95	98	95	90	82	85	89	94	95	96	90	88	92	91	93	87	83	90	90	92	87	89.9
	Minimum	53	55	61	64	68	63	65	66	66	67	66	70	70	68	68	69	72	70	71	72	68	69	70	69	70	70	68	67	62	67	67	66.8
Parkersburg	Maximum	78	83	85	95	94	91	89	87	84	88	95	94	92	83	80	89	89	90	94	93	93	85	88	90	92	88	82	87	89	93	88	88.6
	Minimum	56	60	67	69	69	69	68	68	69	70	71	72	71	68	70	70	73	70	75	73	69	68	71	69	70	71	70	67	61	67	71	68.8
Petersburg	Maximum	84	88	87	85	89	90	89	92	93	89	91	93	98	99	93	92	95	86	94	93	85	86	87	92	91	89	78	86	89	93	92	89.9
	Minimum	57	54	59	67	55	60	53	63	62	64	65	65	63	64	62	64	69	70	71	69	68	71	68	63	65	64	68	63	59	64	67	64.1
Point Pleasant	Maximum	85	85	87	93	94	91	90	87	89	88	95	93	90	87	80	89	88	93	93	95	93	89	89	92	93	89	85	88	89	94	91	89.8
	Minimum	58	60	70	71	71	68	69	70	70	71	70	71	70	72	70	71	74	72	74	71	74	70	71	69	70	70	70	68	64	66	70	69.5
Rainelle	Maximum	80	84	81	88	87	86	82	85	87	88	89	85	90	84	82	85	83	84	88	91	88	85	85	85	85	87	83	82	83	86	89	83	85.3
	Minimum	63	50	58	51	61	59	58	60	62	58	65	61	65	61	68	69	64	73	65	63	62	62	67	61	65	62	63	63	57	60	57	62.0
Spencer	Maximum	82	83	82	89	90	89	85	85	88	89	91	90	89	79	81	85	85	88	88	90	87	84	88	88	89	84	80	85	86	90	88	86.9
	Minimum	60	55	67	66	67	66	65	67	65	68	66	68	71	70	69	65	69	70	70	70	70	67	69	69	68	69	68	67	57	58	67	66.5
Summersville [3]	Maximum	85	84	89	87	86	84	85	89	87	90	91	88	82	85	88	87	88	90	90	90	86	84	89	89	82	83	87	86	88	89	90	87.0
	Minimum	50	57	57	60	55	55	60	59	58	58	59	61	57	57	57	57	64	64	68	60	60	62	59	59	60	61	62	58	54	65	61	59.0
Sutton	Maximum	93	89	89	94	95	95	93	92	94	94	95	95	95	92	90	91	91	95	96	97	97	89	89	93	93	92	87	91	93	93	92	92.7
	Minimum	58	53	60	62	63	64	60	60	64	63	64	64	65	61	64	62	68	69	70	70	66	68	66	61	65	61	65	66	61	62	63	63.2
Wardensville [3]	Maximum	73	82	87	85	85	88	89	90	90	82	91	93	97	98	92	92	87	81	92	93	84	85	86	91	91	85	78	81	86	89	89	87.4
	Minimum	54	53	58	62	64	57	55	61	60	60	65	61	61	61	60	60	68	67	68	69	70	69	60	63	63	67	64	57	62	50	61	61.2
Wheeling [3]	Maximum	77	84	88	90	95	92	87	88	87	88	93	95	94	90	85	85	88	92	93	95	84	89	91	91	90	85	85	87	86	90	82	88
	Minimum	53	56	57	63	67	62	63	65	70	66	68	69	72	72	71	71	72	72	72	72	71	70	70	70	68	69	65	64	65	66	67	67.3
White Sulphur Spgs.	Maximum	83	85	83	89	88	81	82	81	76	78	76	76	76	91	89	87	86	86	85	88	87	85	76	79	83	88	86	82	82	83	88	91	83
	Minimum	62	58	51	64	64	60	55	61	62	60	60	61	63	65	66	53	51	67	67	65	65	64	68	60	64	64	62	63	56	69	56	61.3
Williamson [3]	Maximum	86	87	90	96	94	92	87	88	92	94	94	91	95	90	87	91	92	93	95	96	96	89	91	94	93	87	85	90	92	95	88	91.2
	Minimum	68	63	66	68	70	69	68	69	68	68	66	68	72	70	70	71	71	72	72	70	73	71	70	68	70	68	71	71	66	66	66	69.0

Daily Evaporation (inches) and Wind Movement (miles) for August 1947

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.100	.159	.130	.073	.129	.145	.171	.109	.111	.112	.126	.130	.149	.186	.140	.092	.178	.131	.192	.032	.141	.030	.040	.091	.144	.100	.027	.075	.132	.113	.125	3.61
	Wind movement	85	38	29	26	29	21	33	39	36	33	22	26	31	27	67	40	13	50	21	36	19	18	14	19	22	22	37	13	30	23	38	906
Wardensville	Evaporation	.200	.257	.186	.212	.030	.293	.292	.308	.085	.102	.299	.027	.220	.218	.437	.158	.155	.172	.193	.100	.221	.241	.128	.210	.221	.365	.080	.351	.115	.191	.244	6.31
	Wind movement	22	21	17	18	10	27	5	18	14	7	27	23	18	18	45	13	18	20	13	11	17	19	20	12	11	21	15	82	4	19	28	567

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—12-12-47 1050)

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY: 25 CENTS A YEAR

VOL. LV SEPTEMBER 1947 No. 9

GENERAL SUMMARY

While the mean temperature was very nearly normal, yet the first three weeks were considerably above normal, and the last nine days were quite cold. Approximately one-third of the stations had heavy to killing frosts on the 23d and minimum temperatures dropped quite low for the season again on the 27th.

Precipitation averaged about one-half inch above normal for the State. However, it continued dry in the northeastern panhandle division. Both the northern and southern divisions had rainfall amounts considerably above normal. Storm damage during the month was light. Two horses were killed by lightning at Buckhannon on the 2d. A severe thunderstorm at Creston on the 5th caused some disruption to telephone service in that community.

In the water year just ended, from October 1, 1946, to September 30, 1947, inclusive, the precipitation averaged 87 percent of normal for the State. The growing season months of March to September, inclusive, averaged 89 percent of normal precipitation. However, the northeastern panhandle division was very dry most of the summer, averaging only 80 percent of normal precipitation during the growing season. The southern division fared better, averaging 89 percent of normal rainfall, while the northern division had ample moisture with their average of 95 percent.

Above normal temperatures for the first three weeks of the month were very favorable for maturing the corn crop. Frosts during the last week did little damage to corn except to late-planted fields.

Picking of the apple crop progressed satisfactorily. The apples did not size nor color very well; frost in early May and hail during the summer months took their toll, with the result that the crop was only 50 percent of normal. The bulk of the tobacco crop was cut and in the barns by the end of the month. A record yield was expected. Potato digging was completed during the month with a record yield per acre achieved. Pastures began to need rain by the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 38 stations, was 66.6°, or 0.3° above the normal. The mean for the northeastern panhandle division was 64.9°; for the northern division, 66.2°; and for the southern division, 67.5°. The highest monthly mean was 72.4° at Charleston; and the lowest, 58.0° at Cranberry Glades. The highest temperature was 99° at Charleston on the 3d; and the lowest, 20° at Bayard and Cranberry Glades on the 27th, at Bayard and McNeill on the 28th, at McNeill on the 29th, and at Cranberry Glades on the 30th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 101 stations, was 3.52 inches, or 0.55 inch above the normal. In the northeastern panhandle division, the average was 2.20 inches; in the northern division, 3.84 inches; and in the southern division, 3.76 inches. The greatest monthly precipitation was 8.11 inches at Cairo, and the least, 0.88 inch at McNeill. The greatest amount in any 24 consecutive hours was 3.81 inches at Cairo on the 13th. There was no snowfall reported from any station during the month. The average number of days with 0.01 inch or more of precipitation was 8.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	6	1	4	5	..	3	16	11	2	1	..	..	1	6	8	2	6	3	5	6	1	..	4	3	2	4	7	4	1	1	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	4	25	1	..	1	19	9	1	..	..
Gales	..	3	..	..	8	2	..	..	1	..	..	2	4	2	8	1	3	..	..	1	10	11	1	..	..	2	2	1	..	4	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..
Thunderstorms	7	15	1	1	28	19	..	..	1	..	4	13	26	6	30	3	..	..	1	..	..	..	..	..	..	..	..	..	1	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m	1:30 p. m.	7:30 p. m		
Columbus, Ohio	30.62*	27*	29.61*	21*	8.6	40	sw.	12	88	58	74	66	112
Elkins*	30.63	27	29.73	22	5.7	34	nw.	5	94	58	80	51	161
Huntington*	30.57	27	29.71	21	.....	17	w.	15	92	51	80	.....	117
Parkersburg	30.61	27	29.66	21	5.6	26	nw.	21	86	55	71	63	110
Petersburg, W.Va.	30.66	27	29.70	22	.....	23	n.	22	93	50	71	...	133
Pittsburgh, Pa *...	30.63	27	29.62	21	8.9	31	nw.	15	85	50	64	58	111

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR SEPTEMBER

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	66.8	..	..	0.38	2.20	0.84	1.66	0.0	..	.	..	..
1892	64.4	92	32	2.23	2.82	2.14	2.57	.0	6	..	..	..
1893	65.0	91	29	2.49	2.02	2.80	2.28	.0	6	..	..	..
1894	67.8	98	31	3.49	2.14	2.93	2.50	.0	6	12	11	7
1895	70.3	107	29	1.21	1.64	2.04	1.70	.0	4	17	8	5
1896	65.2	95	22	5.02	4.62	4.33	4.59	.0	7	14	9	7
1897	66.4	103	27	1.45	1.31	.61	1.14	.0	3	22	6	2
1898	67.6	97	33	1.32	2.74	2.58	2.42	.0	6	16	10	4
1899	64.0	100	26	4.01	4.05	2.98	3.65	.0	8	14	9	7
1900	71.1	100	35	2.38	.97	2.84	1.92	.0	6	14	10	6
1901	64.8	95	27	2.99	3.38	3.56	3.35	.0	8	13	8	9
1902	64.8	98	25	2.24	3.22	2.98	2.98	.0	9	12	9	9
1903	64.7	97	25	1.92	1.41	1.02	1.30	.0	4	21	6	3
1904	67.0	95	25	2.27	1.88	1.44	1.76	.0	6	16	10	4
1905	65.6	97	29	1.57	2.53	1.93	2.21	.0	4	18	8	4
1906	69.9	97	38	2.21	2.99	3.78	3.25	.0	9	12	10	8
1907	66.3	93	30	5.84	4.74	3.66	4.41	.0	11	12	10	8
1908	65.9	99	24	1.06	1.15	.71	.95	.0	3	21	6	3
1909	63.7	95	28	2.55	2.53	3.07	2.74	.0	6	15	9	6
1910	68.4	97	32	1.76	3.82	3.77	3.50	.0	10	12	11	7
1911	68.8	100	32	3.95	5.37	3.96	4.67	.0	11	12	11	7
1912	68.6	98	30	5.75	4.16	3.25	3.85	.0	8	17	7	6
1913	64.2	100	25	2.54	3.13	2.93	2.88	.0	8	14	7	9
1914	63.2	97	24	1.38	1.21	2.19	1.58	.0	5	18	6	6
1915	67.6	100	31	2.77	3.92	4.13	3.84	.0	9	16	8	6
1916	63.0	99	27	3.59	3.82	3.64	3.71	.0	7	18	6	6
1917	62.4	98	28	2.46	2.46	3.19	2.79	.0	7	17	7	6
1918	60.5	93	24	3.26	2.81	2.91	2.92	T.	8	15	7	8
1919	66.0	98	31	1.86	2.12	2.17	2.11	T.	5	18	7	5
1920	66.7	96	34	3.06	3.23	3.08	3.14	.0	8	16	7	7
1921	70.9	97	39	4.08	5.82	3.81	4.76	.0	12	12	10	8
1922	67.2	100	25	1.46	2.58	1.84	2.14	.0	4	21	5	4
1923	66.5	96	29	3.26	3.60	2.95	3.31	.0	7	16	8	6
1924	60.7	100	26	4.63	6.04	6.36	5.96	.0	12	11	7	12
1925	70.9	102	34	1.93	2.29	2.39	2.29	T.	8	14	9	7
1926	68.6	98	31	4.46	6.95	3.31	5.35	.0	13	10	8	12
1927	67.0	100	24	1.05	2.50	2.03	2.15	.0	5	19	7	4
1928	61.3	100	24	3.95	2.05	3.20	2.71	.0	7	14	6	10
1929	66.5	102	24	1.81	3.56	2.39	2.95	T.	8	15	7	8
1930	69.3	106	29	3.37	1.56	1.35	1.46	.0	7	15	9	6
1931	70.0	102	29	3.21	4.23	3.58	3.91	.0	10	16	8	6
1932	66.5	106	25	1.23	1.54	1.77	1.58	.0	6	18	7	5
1933	70.3	98	35	3.22	4.66	2.59	3.71	.0	10	14	9	7
1934	69.0	94	33	5.39	3.97	4.06	4.19	.0	9	15	8	7
1935	65.0	94	22	4.55	3.49	2.52	3.30	.0	8	18	5	7
1936	69.4	99	25	1.22	1.87	1.98	1.82	.0	6	18	5	7
1937	63.2	98	23	2.21	2.54	1.63	2.18	.0	7	16	8	6
1938	65.8	95	28	3.45	3.37	3.97	3.59	.0	10	10	9	11
1939	68.8	103	29	2.82	2.60	1.27	2.22	.0	6	19	8	3
1940	62.2	98	21	3.15	3.31	2.18	2.88	.0	5	17	8	5
1941	67.8	99	26	1.03	2.35	2.58	2.22	.0	7	18	9	3
1942	65.1	98	15	2.99	4.59	3.64	3.97	.0	11	12	10	8
1943	62.5	100	26	0.79	1.32	1.37	1.25	T.	6	16	8	6
1944	65.0	96	26	4.46	4.89	3.16	4.19	.0	11	11	9	10
1945	68.4	98	34	7.57	8.49	4.94	7.18	.0	13	10	11	9
1946	65.5	100	23	2.09	2.50	2.10	2.27	.0	7	16	19	5
1947	66.6	99	20	2.20	3.84	3.76	3.52	.0	8	14	10	6
Period	66.3	107	15	2.82	3.17	2.78	2.97	T.	8	15	8	7

Climatological Data for September 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	60.0	−0.9	84	1†	20	27†	2.17	−1.14	0.45	22	0	10	19	7	4	w.	Howard R. Fulk
Franklin	Pendleton	1,750	9	.....	.....	.....	.....	.....	.....	2.03	.....	1.15	6	0	.....	.....	.....	.....	.....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	1.77	−0.89	0.69	8	0	8	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	67.4	+0.9	95	4†	29	28	0.97	−2.26	0.29	6	0	7	7	19	4	e.	H. W. Prettyman
Kearneysville	Jefferson	548	17	67.2	−0.3	92	4†	29	28	1.03	−2.30	0.25	10	0	8	10	16	4	s.	University Exper. Station
Martinsburg	Berkeley	545	55	66.0	−0.9	92	4†	29	28	0.85	−2.07	0.22	22	0	8	9	13	8	s.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	13	65.6	−0.2	95	4†	21	28†	0.93	−1.30	0.28	16	0	7	10	14	6	w.	R. E. Saville
Petersburg	Grant	1,029	8	66.4	....	95	4	25	28	1.71	.....	0.92	6	0	8	8	15	7	se.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	66 0	+0.3	89	4†	31	27	3.42	+1.01	1.50	13	0	9	15	8	7	se.	C. A. Suter, Jr.
Romney	Hampshire	824	46	65.7	−1.1	92	4†	26	28	1.33	−1.35	0.46	6	0	8	16	6	8	.....	Marion W. Haines
Spruce Knob	Pendleton	4,550	15	.....	.....	...	.....	.....	.....	3.98	+0.61	1.64	6	0	10	.....	.....	.....	.....	Moses R. Bennet
Stony River Dam	Grant	3,300	15	... ..	.....	.....	.....	.....	.....	3.43	+0.65	1.67	6	0	7	8	3	19	e.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	29	64.8	+0.6	91	4	23	28	1 82	−0.77	0.65	2	0	9	22	7	1	nw.	Reymann Memorial Farm
Means and Extremes	.....	.....	....	**64.9**	.....	**95**	4†	**20**	27†	**2.20**	.....	**2.05**	**1**	**0**	**8**	**12**	**11**	**7**	se.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	... ..	.....	.....	.....	.....	.....	4.14	+0.83	1.49	6	0	8	10	16	4	w.	L. Esle Bond
Benson	Harrison	1,080	22	67.2	+0.3	91	5†	29	28	5.20	+1.57	1.39	14	0	8	11	18	1	.....	R. D. Marts
Bens Run	Pleasants	652	46	68.9	+0.5	93	9	34	27	5.50	+2.91	2.16	13	0	7	23	5	2	.....	Mrs C. W. Rea
Brandonville	Preston	1,798	6	62.9	....	86	11†	24	27	3.22	....	1.53	17	0	5	..	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	67.4	−0.2	91	13	28	28	4 07	+0.32	1.66	6	0	10	12	15	3	s.	M. D. Hawkins
Buckhannon	Upshur	1,469	56	65.4	+0.9	89	4	29	28	4.22	+1 26	1.49	16	0	10	12	13	5	w.	Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	67.2	−0 9	91	9†	32	27†	8.11	+5.31	3.81	13	0	10	12	14	4	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	59.4	.. ..	83	1	23	23†	4 05	.....	1.36	6	0	11	4	25	1	ne.	George B. Thompson
Clarksburg	Harrison	1,015	24	65.6	−1.9	89	4	32	28†	3.75	+0.15	1.80	6	0	6	18	6	6	se.	Clarksburg Water Board
Creston	Wirt	640	46	67 4	−0.4	90	8†	33	27†	3 86	+1.17	1 59	5	0	7	13	11	6	.....	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	68 4	....	93	4†	34	27	3 26	−0.26	1.02	13	0	9	19	6	5	e.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	...	.....	.....	....	.....	1.54	−1.44	0.74	22	0	8	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.. ..	.....	.....	.....	.....	.....	3.58	+0.39	1.05	5	0	8	.....	.....	...	....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	. .	1.61	−1.05	0.65	6	0	7	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	...	.....	.....	2.82	+0.23	1.44	6	0	8	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	63 3	+1.4	86	4	28	30	4.06	+0.91	1.34	6	0	9	4	16	10	se.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	67.2	−0 2	93	4	34	28†	3.37	+0.42	1.56	5	0	6	11	14	5	ne.	Monongahela Power Co.
Glenville	Gilmer	738	59	67.8	−0.7	90	4	33	27†	4.24	+1.02	2 21	6	0	9	8	14	8	w.	Fred W. Wells
Grafton	Taylor	1,100	53	64.8	−2.3	88	12	25	28	4.27	+1.66	0.82	15	0	10	15	12	3	sw.	William D. Myers
Grantsville	Calhoun	730	2	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	..	..	.....	Hope Natural Gas Co.
Harrison County Airport	Harrison	1,188	7	65.2	.....	89	4	30	23†	5.17	...	2.23	5	0	8	7	15	8	sw.	U. S Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	....	.....	.....	3.79	+0.79	0.92	12	0	9	6	17	7	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	4.27	+1 03	1.47	6	0	8	.....	..	..	....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	6	60 8	.....	82	4†	22	27	2.59	....	0.94	16	0	11	25	1	4	.....	O. C. Hamilton
Mannington, 1½ mi. NW.	Marion	974	45	65.6	+0.7	91	4†	26	27†	4.40	+1.01	1.33	13	0	12	13	11	6	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	6	66.2	... ..	89	4†	31	27†	4.27	.....	1.71	5	0	5	18	7	5	e.	L. A. Crumrine
Morgantown	Monongalia	1,250	71	67.6	+0.1	91	4	34	27	2.26	−0.61	1.10	13	0	6	20	7	3	.....	Prof. L. M. Peairs
New Cumberland	Hancock	671	52	66.4	+0.9	90	4†	33	27	2.78	−0.13	1.21	15	0	6	20	5	5	se.	C. O. Valentine
New Martinsville	Wetzel	637	54	68 6	+0.1	92	9	33	27	3.43	+0 40	1.45	12	0	8	18	7	5	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	68.0	+0.7	90	20	37	28	2.18	−0.58	0.79	13	0	7	9	12	9	se.	Section Center
Parsons	Tucker	1,649	48	65.6	+0.9	88	4	29	28	4.04	+0.89	1 77	6	0	8	11	4	15	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	....	.....	5.65	+2 35	2.38	6	0	8	.....	.....	.....	....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	23	.. ..	.....	.....	.....	.....	.....	5.12	+1.72	2 05	5	0	8	23	3	4	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	66.4	.....	90	4	32	27†	3.06	−0.42	1 53	5	0	6	8	2	20	se.	W. H. Bolyard
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	4.09	+0.09	1.50	6	0	8	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	69.8	+1.8	94	4	30	28	5.67	+2 35	1.74	15	0	8	17	9	4	w.	Roscoe H. Jackson
Welisburg, 3 miles NE	Brooke	668	54	66.8	+1.9	91	4	28	28	1 87	−1.12	0.80	22	0	4	19	7	4	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	4.77	+1 50	1.78	5	0	7	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	56	69.7	+2.4	94	4	30	28	3.21	+0.58	1.20	5	0	10	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	67.7	+0.3	91	9	36	27†	1.38	−1.54	0.81	22	0	7	13	11	6	sw.	Lockmaster
Means and Extremes	.....	.....	....	**66.2**	.....	**94**	**4**	**22**	**27**	**3.84**	.....	**3.81**	**13**	**0**	**8**	**13**	**11**	**6**	sw.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	.....	....	.....	.....	.....	3.00	+0.47	1.80	6	0	6	13	11	6	w.	H. S. Sutton
Athens	Mercer	2,600	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Concord College
Bluefield	Mercer	2,558	52	66.4	+0.2	84	2†	35	27	3.21	+0.89	1.05	6	0	8	21	5	4	...	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	69.4	.....	93	4†	35	28†	2.70	....	1.40	6	0	11	21	1	8	.....	Willard F. Russell
Charleston	Kanawha	615	60	72.4	+1.5	99	3	35	28	5.83	+2.85	1 83	6	0	9	21	7	2	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	68.8	...	92	9†	34	30	4.66	.....	1.30	5	0	7	6	17	7	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	58.0	.....	82	4	20	27†	3.06	.....	0.92	6	0	9	21	8	1	s.	Department of Justice
Flat Top	Mercer	3,270	9	61.5	.....	82	4	32	23	3.82	.....	1.90	6	0	9	6	16	8	se.	U. S Airway Station
Gary	McDowell	1,426	30	67.3	−1.2	90	21	33	29	3.19	+0.20	1.52	6	0	6	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	68.7	.....	93	12†	30	28	5.43	.....	2.70	6	0	6	19	3	8	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	69.1	+1.1	94	4	35	28	3.18	+0.49	1.50	6	0	10	...	...	...	....	Mrs. M. L. McClung
Huntington	Cabell	571	51	71.4	+2.4	93	12†	38	23†	4.09	+1.64	2.20	6	0	6	14	11	5	ne.	H. N. Robinson
Kayford	Kanawha	1,335	30	...	...	...	...	...	...	4.34	+0.96	2.60	6	0	4	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	64.4	+0.1	89	1	28	28	3.25	+0.56	0.98	6	0	10	21	8	1	.....	Prof. H. B. Graybill
Logan	Logan	700	34	71.0	+0.6	94	21	38	28	4.70	+1.55	2.69	6	0	5	19	4	7	.....	J. W. Ruff
London Locks	Kanawha	623	12	69.1	.....	92	8	38	23†	4.22	+1.57	1.83	6	0	11	...	.....	...	w.	Lockmaster
Madison	Boone	675	26	68.9	+1.2	90	1†	34	28	5.06	+1.60	2.60	6	0	6	8	10	12	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	64.8	.....	85	1†	29	27	3.62	.....	2.35	6	0	7	16	4	10	.....	M. H. Martin
Pineville	Wyoming	1,350	5	66.4	.....	89	1†	31	28	4 08	....	2.20	6	0	5	12	6	12	...	Walter C. Byrd
Point Pleasant	Mason	595	57	70.6	+4.7	91	9†	37	27	2.97	+0.56	1.61	5	0	8	14	10	6	e.	E. C. Winger
Rainelle	Greenbrier	2,424	16	65.2	+2.3	89	4	30	27	3.23	+0.11	1.90	6	0	9	16	4	10	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	69.0	−0.4	91	21	33	23†	3.15	+0.85	1.55	6	0	9	13	7	10	ne.	Lockmaster
Richwood	Nicholas	2,193	16	64.6	−0 1	87	5	26	23	.....	.....	.....	.....	.....	.....	22	4	4	.....	Richwood Water Co.
Ripley	Jackson	610	5	69.4	.....	93	15†	31	27	3 44	.....	1.97	6	0	8	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	48	66.3	−0.2	88	12†	32	28	4.13	+1.25	1.79	6	0	8	15	13	2	.....	A. M. McKown
Summersville	Nicholas	1,900	11	62.6	..	91	9	22	30	4 65	.....	1.54	5	0	6	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	44	69.6	+0.9	93	10†	33	28	3.84	+0.49	1.92	6	0	6	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	43	64 2	−1.9	87	1	30	28	3.35	+0.80	1.13	24	0	10	18	3	9	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	67.2	.....	89	20	33	23†	3.61	.....	2.00	6	0	5	22	3	5	e.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	63.2	−1.7	87	1	29	28	4.56	+1.72	1.62	15	0	10	6	14	10	w.	Greenbrier Hotel
Williamson	Mingo	673	46	71 6	+1.9	95	1†	36	28	3.85	+0.86	2.13	5	0	4	20	5	5	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	69.2	.....	92	20	36	23†	4.90	.....	2.69	6	0	6	12	14	4	w.	Lockmaster
Means and Extremes	.....	.....	...	**67.5**	.....	**99**	**3**	**20**	**27†**	**3.76**	.....	**2.70**	**6**	**0**	**7**	**16**	**8**	**6**	w.	
State Averages and	Extremes	.....	...	**66.6**	**+0.3**	**99**	**3**	**20**	**27†**	**3.52**	**+0.55**	**3.81**	**13**	**0**	**8**	**14**	**10**	**6**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing: for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated.

Daily Precipitation for September 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	T.	.15			.45	.30				.03		.04	.04	.36	T.	.33						.45			.03					.02		2.17
Brushy Run[2]	do.		T.			1.22		T.	.08	.12	T.					T.	.36						.17	T.		.03							1.98
Franklin	do.					1.15	.05		.20	.08	.16						.20						.13			.12							2.03
Harpers Ferry[2]	do.		.01			.17	.01	.69	T.		.41												.28	.10		.10							1.77
Inwood	do.					.10	.19	.20		.12							.08				.06		.22										0.97
Kearneysville	do.		.04			.09	.10	.21	.13	T.	.25	T.							.18		T.	.03	T.										1.03
Knobly Mountain[2]†	do.		.08				.91				.09	T.			T.		.25					.08	.20										1.61
Martinsburg[4]	do.	.07			T.	.19	.02	.17	T.		T.					.12	T.				.05	.01	.22			T.				T.			0.85
McNeill†	do.	.14	.09	.04		T.	.04		T.	T.	.25					T.	.28						.14										0.98
Petersburg	do.		.01			.80	.12		T.	.24	.01			T.		.30						.13		T.					.10			1.71
Piedmont	do.		.50			.02	.63			.23			.07	1.19	.31		.23				T.		.24										3.42
Romney	do.		.07			.22	.46	.01		.12	.08						.36	.01															1.33
Springfield[2]	do.						.70				.02			.04			.21						.18										1.15
Spruce Knob[2]†	do.		T.			.09	1.64	.14	.28	.34	.42	.04					.47					T.	.34	.22		T.				T.			3.98
Stouey River Dam[2]†	do.						1.67			.18	.57	.05			.13		.58						.25										3.43
Wardensville[2]	do.		.65				.41		.10	.03	.35	.01					.01	.08				.18											1.82
Northern Division																																	
Aberdeen†	West Fork		.02			.34	1.49					T.		.35	.17	T.	.90						.77							.10			4.14
Belington[2]	Tygart	.01	.24			*	2.08							.15	.34		.65						.50	.03						.17			4.17
Benson†	West Fork	.14				.97	1.00							.08	1.39		.80						.72							.10			5.20
Beus Run	Ohio					1.34	.21						.88	2.16		.09							.67						.15				5.50
Big Skin Creek	West Fork		.79			.85	.52							.80	.21	1.04							.74							.17			5.12
Brandonville[2]	Cheat					T.	.58							T.	.36		T.	1.53					.67							.08			3.22
Brownsville†	West Fork	.03	.11			.37	1.66							.11	.14	.01	.80						.76							.08			4.07
Buckhannon	Tygart	T.	.07		T.	.24	1.12		T.					1.00	.02	1.31	.18						.14	.01					T.	.13			4.22
Cairo	Litl. Kauawha	.77	.23			1.95	.38					.10		3.81	.01	.06	.04						.76										8.11
Canaan Valley	Cheat	.12	.02			.18	1.18				.04		.49	.02	.58		.99						.29							.14			4.05
Clarksburg[2]	West Fork	.15	T.				1.80	T.						T.	.35		.69						.68							.08			3.75
Crawford	do.		.04			.31	1.44						.15	1.25	T.	1.94	.28						.65							.08			6.14
Creston[2]	Litl. Kanawha		.11				1.59						T.	.03	.67		.48						.88							.10			3.86
Dailey[2]†	Tygart	.15	.24				1.35	T.	T.			T.		T.	.59		.76						.48	T.						.03			3.60
Dam 10, Mon. R.[2]†	Monongahela					.03	.56	.04						.06	1.02		.64						.65	.05						.21			3.26
Dam 13, O. R.[2]†	Ohio		.12			.03	.17							.10	.01		.27						.74						T.	.10			1.54
Dam 15, Mon. R.[2]†	Monongahela					.03	1.02	.02						.07	.82		.65						.79	T.						.18			3.58
Dam 19, O. R.[2]†	Ohio	.03	.09			.04	.65	T.						.30	.02		T.						.48							T.			1.61
Dam 20, O. R.[2]†	do.		.30			.05	1.44							.25	.03								.63							.02	.10		2.82
Elk†	West Fork					.86	1.12									.30	1.17						.80								.27		4.52
Elkins[1]†	Tygart	T.	.17		T.	1.19	.15						.04	1.21		.77	T.						.49							.03	.01		4.06
Fairmont[2]	Monongahela		T.		T.	1.56	T.	T.					.07	.42		.54							.72							.06			3.37
Glenville[2]	Litl. Kanawha	.07	.08			.06	2.15						T.	.18	.33		.57						.74								.06		4.24
Grafton	Tygart		.10			.51	.68	.01						.63	.13	.82	.53						.71								.15		4.27
Grantsville	Litl. Kanawha																														.07		§§
Hackers Creek†	West Fork					1.90	.77							.20	.15		1.15						.82								.05		5.04
Hall[2]	Tygart	.09	.05			T.	1.79							.06	.82		1.56						.67	T.	T.						.19		5.23
Harrison Co. Arpt[4]	West Fork		.14			2.23						.02	.01	1.05		.73						T.	.75							.24			5.17
Hastings	Ohio					.24	.46						.70	.22	.71	.20	.22						.76							T.	.28		3.79
Horner	West Fork		.50			1.25	.25							1.10	.40		1.00						.77								.20		5.47
Ireland	do.						1.46								.69		2.39						.76										5.30
Jane Lew	do.		T.			.68	1.47	T.						.03	.01	.07	1.06						.78								.17		4.27
Kumbrabow St.For.†	Tygart	.04	.13	.01		.02	.18							.34	.41	T.	.94	.01					.42								.09		2.59
Maunington	Monongahela		.01			.80	.21						.60	1.33	.04	.11	.17				.01		.76							.07	.29		4.40
Middlebourne[2]	Middle Is. Crk.					T.	1.71							.50	1.15		.16						.75								T.		4.29
Midvale[2]†	Tygart		.18				1.80	.02						.64	.38		1.32						.60								.15		5.09
Morgantown	Monongahela						.28						.06	1.10									.68							.01	.13		2.26
Mt. Clare	West Fork					1.71								.29	.05	1.49							.85										4.39
New Cumberland	Ohio		.16		.02	.30										1.21							.87							.22			2.78
New Martinsville	do.					.33	.10						1.45	.58		.15	.03						.65							.14			3.43
Parkersburg[1]†	do.		.13		T.	.66	T.						.76	.03		T.					.14		.44							.02	T.		2.18
Parsons	Cheat	.01	T.			.21	1.56							.16	.77		.76						.43								.14		4.04
Philippi[2]	Tygart	T.	.03			T.	2.38	T.					T.	.04	.97		1.39						.70	.03							.11		5.65
Roanoke	West Fork		.27			.25	1.80							.50	.46		.97						.74								.13		5.12
Rockford†	do.		T.			.94	1.24					T.			.17	.93	.27						.86										4.41
Rowlesburg[2]	Cheat		.05			T.	1.53								.09		.72						.53	T.							.14		3.06
Salem	West Fork	.56				.46	1.28						T.	1.71		.47							1.02							T.			5.50
Sand Fork	Litl. Kanawha		.23			.70	1.76							.10	.62	.85	.64						.75								.07		5.72
Shinnston	West Fork					.58	.56						.05	.45		.37	.05						.72							T.	.21		2.99
Thomas[2]	Cheat		.54				1.50							.20	.55		.70						.33	.10							.17		4.09
Upper Davisson Run	West Fork	.14	.01			.54	1.66	.01					.03	.92	.07	.43	.50						.76							.05			5.12
Valley Chapel	do.		.01			.93	.75							1.24		.80	.94						.85								.15		5.67
Valley Head[2]	Tygart		.06				1.52					.01			.06		1.00						.21								T.		2.86
Vandalia†	West Fork		.23			.56	1.60							1.70		1.00	.30						.68										6.07
Wellsburg (near)	Ohio					.54								T.		.45							.80							.08			1.87
West Milford	West Fork					.57	1.21							.03	.57		1.45						.79								.15		4.77
Weston[2]	do.	.02	.06			T.	1.20							.14	.12	.04	.90						.60	.02							.11		3.21
Wheeling (Dam 12)[2]	Ohio					.01	.20					T.		.13	.02		.15						.81	T.						T.	.06		1.38
Southern Division																																	
Arbovale	Greenbrier		.25				1.80			T.	.08					.42						T.	.32		.13					T.			3.00
Athens	New																																
Bluefield	do.					T.	1.05				.02				.85	.45	.08						.47		.14	.15							3.21
Bluestone Dam	do.		.10				1.37	.03			.04	.08			.16	.02	.16						.28	.10		.36							2.70
Camden-on-Gauley[2]	Gauley		.34				1.78										.71						.50										3.33
Charleston	Gr. Kanawha	.10	1.24			.01	1.83								.04	.20	1.56						.81								.04		5.83
Charleston Airport[4]	do.	T.	.72			1.30	.35	T.				T.		.24		1.19	T.						.85							T.	.01		4.66
Coalwood	Big Sandy						1.54								.66	.25	.12						.64		.22	.02					T.		3.45
Cranberry Glades	Cranberry	.30	.40		.02		.92	.32		.05	.17						.64						.24										3.06
Flat Top[4]	New		T.				1.90							.65	.03	.60	.01						.32		.25	.05					.01		3.82
Gary[2]	Big Sandy						1.52	T.							.58		.21						.58	.03		.27							3.19
Hamlin	Mud	.05					2.70							.14			.76						1.68								.10		5.43
Hiuton[2]	New		.33				1.50				.01	.02			.14	.01	.55						.26	.05		.31							3.18
Hogsett	Ohio	.58	.07			.02	1.51								.49		.07						.70										3.44
Huntington	do.	.20	.02			T.	2.20						T.	.46		.22							.99							T.	T.		4.09
Kayford[2]	Gr. Kauawha		.36				2.60										.66						.72										4.34
Lewisburg	Greenbrier		.40			T.	.98	T.			.02	.04			.01	.75	.07						.26		.35	.37							3.25
Logan[2]	Guyandot	T.				T.	2.69								.08	T.	1.26						.65	T.							.02		4.70
Loudon Locks[2]†	Gr. Kauawha	.06	.27				1.83	.17						.09	.04	.04	.98						.68	.03							.03		4.22
Madison[2]	Coal		.22				2.60									.42	1.15						.63	T.							.04		5.06
Oak Hill	New		.10				2.35								.07		.38						.62	.03							.07		3.62
Pineville[2]	Guyandot						2.20							T.	.98		.30						.49			.11							4.08
Point Pleasant[2]	Ohio	.30	.02		.04	1.57	.01						T.	.15	.18	T.	T.						.70							T.	T.		2.97
Princeton[2]	New						1.02	.26							.60	.10	.06						.19	.14		.30							2.67
Rainelle	Greenbrier		.30				1.90		.01			T.		T.	.10	.35	.04						.32		.18						.03		3.23

Continued on next page.

Daily Precipitation for September 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio	.10	.40			.01	1.55							.17	.18		.07						.66								.01		3.15
Richwood [2]	Gauley		.12				1 40																										§§
Ripley	Ohio		.01			.21	1.97	T.						.17	.13		.02						.92								.01		3 44
Spencer [2]	Litl.Kanawha					.04	1.79	.02					.01		.82		.42						.96								.07		4.13
Summersville [2]	Gauley	.86				1.54	.13							.63		1.37							.62							T.			4.65
Sutton	Elk		.07			T.	1.92								.70	T.	.32						.78								.05		3.84
Union [2]	New		.23				.78	.19	.03		T.	T.			.03	.43	.29						.11	.10	T.	1.13							3.25
Wayne [2]	Twelvepole	.07	.03				2.35							.07	.20		.45						1.09								.09		4.26
Webster Springs	Elk	.35	T.				2 00	T.								.52	.15						.59										3.61
White Sulp'r Spgs.	Greenbrier		.33				1.33	.05			.01	.12	T.			1.50	.12						.25		.30	.55							4 56
Williamson [2]	Big Sandy						2.13							.64		.40							.78										3.85
Winfield Locks [2†]	Gr. Kanawha	.30	.08				2.69								.40		.59						.84								T.		4.99

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont [5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for September 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum																																
	Minimum																																
Bayard	Maximum	84	76	78	83	71	78	80	76	79	80	82	84	82	79	84	72	68	76	78	78	83	83	60	58	67	56	56	60	66	52	..	73.6
	Minimum	61	60	51	51	59	57	55	63	65	65	57	53	58	55	52	35	43	38	43	43	51	42	24	32	40	34	20	20	28	37	....	46.4
Bluefield	Maximum	82	84	81	84	84	81	83	83	82	78	81	81	80	84	82	77	73	75	80	81	80	78	57	56	69	66	60	61	68	67	..	75.9
	Minimum	64	66	56	55	65	63	62	62	66	65	68	64	65	62	64	57	55	59	65	58	65	55	40	47	48	48	35	39	41	45	..	56.8
Buckhannon	Maximum	87	81	84	89	81	78	84	84	85	84	84	87	85	83	85	71	81	85	86	87	87	77	65	66	66	62	61	68	70	64	....	78.6
	Minimum	64	67	52	56	65	60	59	60	61	59	61	60	62	62	60	57	45	45	53	55	63	50	31	38	44	46	31	29	36	44	..	52.3
Charleston (Airport)	Maximum	90	86	89	87	91	82	87	90	92	90	91	92	88	86	88	75	82	87	90	92	90	80	69	65	68	65	64	72	73	58	..	82.0
	Minimum	66	63	61	62	67	66	66	67	65	66	68	65	66	63	60	52	50	55	61	64	66	40	35	44	47	40	35	36	41	34	....	55.7
Clarksburg [3]	Maximum	85	81	84	89	76	82	84	85	87	87	87	88	84	84	85	71	80	86	87	87	85	60	68	64	63	60	61	70	66	52	....	77.7
	Minimum	67	67	56	57	62	61	63	63	61	61	62	63	64	63	63	53	46	48	53	58	60	58	34	35	41	45	33	32	32	43	....	53 5
Cranberry Glades	Maximum	80	76	75	82	79	70	77	79	75	74	74	71	69	79	81	75	71	74	79	72	72	63	56	57	55	56	43	58	68	50	....	69.7
	Minimum	52	46	55	45	55	57	56	54	61	62	52	64	54	54	62	48	42	64	66	49	45	40	21	30	30	28	20	26	30	20	....	46.3
Elkins	Maximum	83	78	80	86	79	77	82	82	82	82	83	84	84	83	85	69	77	83	81	83	81	73	66	62	64	58	59	66	70	53		75.8
	Minimum	65	58	53	54	61	60	61	63	60	66	67	60	62	61	59	46	44	47	53	59	65	35	31	39	44	33	31	28	34	28		50.9
Fairmont [3]	Maximum	88	83	88	93	75	84	85	87	89	89	89	89	85	86	88	74	84	88	88	90	87	77	67	65	62	63	63	72	66	57	....	80.0
	Minimum	64	62	57	60	64	62	67	64	67	63	64	65	65	64	59	52	49	47	57	60	62	40	36	43	50	41	35	34	41	34	....	54.3
Flat Top	Maximum	80	75	77	82	80	76	80	79	77	73	75	77	80	80	77	68	70	70	76	80	76	67	54	52	64	58	54	56	66	56	..	71.2
	Minimum	66	65	49	47	58	59	56	58	63	63	64	61	61	58	53	49	47	54	61	55	61	45	32	42	45	39	34	33	36	39		51.8
Gary [3]	Maximum	88	83	63	89	87	83	87	89	86	87	89	89	87	89	87	75	81	81	86	89	90	66	64	60	70	67	67	68	73	55	....	79.2
	Minimum	67	67	58	56	58	64	65	63	63	66	64	62	62	60	62	58	50	53	59	60	60	60	39	40	50	51	39	35	33	38	....	55.4
Glenville	Maximum	86	83	85	90	81	77	84	87	88	87	87	88	86	83	86	73	81	84	85	86	87	81	65	52	66	63	63	69	69	63	....	79.2
	Minimum	68	67	58	59	67	63	66	67	63	63	64	64	65	65	63	53	48	50	58	61	64	55	35	43	47	52	33	33	50	50	..	56.5
Grafton	Maximum	87	80	83	87	76	83	84	83	86	87	87	88	86	83	87	71	80	85	83	87	85	79	67	66	62	60	61	70	67	58	....	78.3
	Minimum	64	64	53	55	63	60	60	64	58	60	60	60	63	60	59	50	43	43	53	56	58	47	30	38	43	47	27	25	35	42	....	51.3
Huntington	Maximum	89	88	90	86	92	83	87	90	92	90	91	93	90	88	88	75	85	86	90	93	92	88	74	70	69	69	67	73	70	65	..	83.4
	Minimum	69	70	62	68	69	68	67	67	69	68	70	69	70	66	64	53	52	57	63	65	69	56	38	46	51	48	40	38	45	50	....	59.4
Lewisburg	Maximum	89	82	82	87	85	78	82	83	79	80	80	81	85	86	85	75	73	75	81	82	82	75	58	52	74	69	57	60	71	60	....	76.3
	Minimum	62	62	52	52	59	60	63	60	64	65	65	58	57	60	60	53	45	49	59	57	64	52	30	40	50	43	30	28	31	41	....	52.4
Logan [3]	Maximum	93	90	92	91	91	85	88	92	91	88	91	90	87	90	92	77	84	87	92	91	94	67	70	68	72	70	65	70	77	60	....	83.2
	Minimum	70	70	63	62	65	67	68	68	66	66	67	66	69	68	65	58	54	56	61	62	66	61	40	43	50	51	40	38	40	43	....	58.8
Madison [3]	Maximum	90	86	88	89	89	84	85	89	89	88	89	90	88	87	88	75	82	84	87	89	90	65	69	66	70	67	66	70	75	71	....	81.5
	Minimum	69	69	61	59	61	65	66	66	65	64	65	64	66	63	61	55	50	52	57	61	63	57	38	41	47	49	38	34	38	45	....	56.3
Manuington	Maximum	88	83	87	91	76	87	85	87	90	91	89	90	85	85	87	77	83	88	88	90	87	78	68	65	63	64	72	65	57	59	....	80.4
	Minimum	60	66	54	55	65	59	64	59	59	57	57	59	60	62	59	47	42	43	53	57	57	48	30	35	54	36	26	26	38	40	..	50.9
Martinsburg	Maximum	82	84	86	92	72	78	77	81	83	82	86	89	90	89	92	75	78	79	88	68	78	74	60	60	71	62	62	68	70	57	....	76.9
	Minimum	68	69	59	64	68	65	69	69	68	70	65	65	66	66	66	52	46	49	55	56	56	45	35	41	51	42	30	29	32	40	..	55.2
Middlebourne	Maximum	85	81	86	89	72	80	84	86	87	89	87	88	85	85	86	74	75	88	88	88	88	62	68	64	63	63	61	68	65	56	....	78 0
	Minimum	65	67	57	60	67	62	65	64	61	62	63	63	64	63	61	51	46	49	55	59	64	55	33	40	49	38	31	31	42	41	..	54.3
Morgantown	Maximum	85	83	86	91	74	85	83	83	88	89	89	89	85	83	88	73	80	86	83	88	87	78	66	63	63	59	62	72	64	59	....	78.8
	Minimum	65	63	60	66	66	66	67	64	67	67	64	68	65	65	64	52	47	56	58	62	63	50	35	42	47	41	34	38	45	43	....	56.3
New Martinsville	Maximum	84	86	88	91	80	80	87	87	92	90	89	90	84	86	87	77	83	88	91	91	89	80	70	70	67	65	65	72	64	57	....	81.0
	Minimum	62	66	61	62	68	67	66	66	65	65	64	67	65	64	61	50	51	53	61	62	63	54	36	44	51	39	33	38	43	43	....	56.3
Parkersburg	Maximum	86	83	88	87	75	76	85	87	89	86	89	87	84	85	86	72	81	85	88	90	89	60	67	68	63	60	61	68	65	56	....	78.2
	Minimum	68	65	61	66	68	66	66	67	68	69	70	68	68	66	57	52	52	57	64	65	60	45	39	45	52	43	38	37	51	38	....	55.7
Petersburg	Maximum	92	88	89	95	78	80	85	81	86	85	88	91	93	90	93	75	82	85	90	72	82	76	65	57	74	65	64	65	77	59	....	80.1
	Minimum	67	65	58	60	64	63	63	69	67	67	65	66	66	62	63	49	44	46	54	58	58	39	31	38	46	37	27	25	33	33	..	52.8
Point Pleasant	Maximum	88	86	89	88	84	80	84	90	91	91	88	91	89	89	89	76	84	87	90	91	90	88	69	68	67	65	66	70	69	69	....	82.2
	Minimum	69	68	61	64	69	67	66	66	67	68	71	69	68	66	63	52	51	57	62	65	69	58	38	45	53	47	37	38	48	49	....	59.0
Rainelle	Maximum	88	80	84	89	87	81	84	86	82	81	82	83	84	86	85	76	75	78	86	87	88	74	61	59	68	68	63	64	73	59	....	77.9
	Minimum	62	63	52	52	58	61	62	60	64	66	67	58	57	59	52	53	44	52	64	57	64	50	32	39	47	45	30	31	32	43	....	52.5
Spencer	Maximum	87	83	86	86	80	73	84	86	86	86	85	86	88	86	84	85	71	71	84	85	88	87	61	65	64	63	62	61	67	68	55	..	77.2
	Minimum	66	67	56	60	64	63	63	65	62	65	65	68	65	63	61	51	48	49	53	60	67	58	35	42	48	47	34	32	38	48	....	55.4
Summersville [2]	Maximum	80	85	89	88	88	85	89	88	91	83	85	85	86	86	80	80	82	85	87	78	61	66	65	67	67	64	66	71	54	54		77.8
	Minimum	62	53	50	60	59	53	56	54	55	59	53	58	58	62	51	39	44	54	59	51	53	27	27	39	43	27	25	28	41	22	....	47.4
Sutton	Maximum	91	90	88	86	85	87	90	91	92	93	93	92	92	91	90	88	84	88	90	93	93	88	74	71	67	67	67	70	72	72	....	81.5
	Minimum	64	66	57	56	64	60	62	63	62	61	62	61	63	62	60	55	48	49	55	60	63	57	37	45	48	47	37	33	36	48	..	54.7
Wardensville [3]	Maximum	85	84	85	91	74	81	78	78	82	85	85	86	87	88	89	73	76	79	88	81	77	67	61	57	70	63	60	64	72	51	....	76.6
	Minimum	65	64	65	58	65	63	59	68	69	69	63	62	61	61	63	57	41	44	52	58	57	57	30	37	41	40	26	23	28	45	..	53 0
Wheeling [3]	Maximum	87	83	88	90	77	84	87	87	91	89	90	86	85	86	88	76	84	87	90	90	88	69	67	73	65	60	62	69	60	53	....	79.7
	Minimum	60	61	61	63	69	65	66	66	65	65	66	69	67	66	66	50	49	50	54	61	64	57	37	37	45	41	36	36	39	41	....	55.7
White Sulphur Spgs.	Maximum	87	86	82	86	83	75	74	80	78	79	77	79	80	85	83	72	71	68	78	72	74	71	55	50	64	58	58	57	69	54	....	72.8
	Minimum	63	62	53	54	59	61	64	63	62	65	64	61	62	59	61	55	45	48	61	60	54	53	31	49	50	46	31	29	31	48	....	53.5
Williamson [3]	Maximum	95	89	92	90	90	88	91	93	95	91	94	94	90	71	90	79	87	90	93	94	94	69	72	67	73	71	72	73	79	60	....	84.2
	Minimum	68	70	62	62	64	67	69	69	66	66	66	66	66	66	68	58	53	56	61	64	65	60	41	42	51	53	41	36	39	51	....	58.9

Daily Evaporation (inches) and Wind Movement (miles) for September 1947

Clarksburg	Evaporation	.180	.113	.201	.107	.101	.289	.077	.077	.135	.120	.114	.096	.100	.064	.102	.180	.100	.111	.047	.065	.091	.208	.113	.067	.024	.050	.089	.087	.046	.056	....	3.210
	Wind movement	51	57	73	58	34	59	14	17	53	44	36	30	87	38	20	58	42	43	29	21	14	117	98	33	22	40	55	45	29	52	..	1314
Wardensville	Evaporation	.197	.236	.208	.196	.206	.039	.114	.035	.051	.118	.131	.211	.256	.305	.136	.217	.273	.160	.142	.192	.043	.065	.159	.097	.004	.047	.184	.149	.130	.123	....	4.424
	Wind movement	21	31	22	29	11	24	1	21	28	27	17	46	28	42	11	41	16	14	13	8	36	59	43	13	10	22	21	24	21	32	....	732

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—12-31-47—1050)

WWE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LV OCTOBER 1947 No. 10

GENERAL SUMMARY

This October was unusually warm. The mean temperature, 60.6°, was the highest recorded for October since the record of 62.3° was established in 1919.

Precipitation averaged only 52% of normal. The extreme southeastern counties averaged about 70% of normal while the remainder of the State was very dry. Forest fires, the worst of which were in Mineral County, broke out early in the third decade and, by the 24th, had destroyed over 9,000 acres of timber and damaged some orchards. These fires were quenched by the general rains of the 27-28th. No snowfall was reported from any station during the month; this was quite unusual for October.

Very warm, dry weather dried out the corn crop satisfactorily. Corn husking was in full swing by the 21st with high yields reported. However, wheat seeding was delayed by dry soil. Buckwheat harvest was completed with good yields secured. Growth of the grasses and legumes was very slow. The apple harvest was completed with about half a crop, quality fair, size small and color poor in most orchards. Spring frosts reduced the yield of the apple crop and the weather was apparently not quite right during late September and early October to produce good color. Small streams were dry and farm and domestic water supplies were becoming very short by the 27th; the general rains of the 27-28th relieved the droughty condition.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 60.6°, or 5.8° above the normal. The mean for the northeastern panhandle division was 59.0°; for the northern division, 60.4°; and for the southern division, 61.3°. The highest monthly mean was 65.4° at Valley Chapel; and the lowest, 52.8° at Canaan Valley. The highest temperature was 92° at McNeill on the 23d; and the lowest, 14° at Canaan Valley on the 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 105 stations, was 1.48 inches, or 1.35 inches below the normal. In the northeastern panhandle division, the average was 1.12 inches; in the northern division, 1.32 inches; and in the southern division, 1.80 inches. The greatest monthly precipitation was 4.01 inches at Spruce Knob, and the least, 0.55 inch at Stony River Dam. The greatest amount in any 24 consecutive hours was 2.05 inches at Man on the 7-8th. The average monthly snowfall was 0.0 inch, or 0.3 inch below the normal. The average number of days with 0.01 inch or more of precipitation was 7.

Errata: Wheeling; February 1947, page 6; monthly mean temperature 24.1°, departure from normal, −8.0°.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	7	9	4	2	1	13	13	3	3	1	3	1	13	11	9	3	2	2	..	29	10	11	6	..	1	4	5	2	3	2	4
Frosts, killing	15	3	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	2	2	1	1	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	10	4	..	..	..	..	1	..	..	1	8	4	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.54*	1*	29.77*	18*	7.1	25	s.	24	90	53	53	72	88
Elkins*	30.54	1	29.88	28	4.9	20	w.	28	94	49	72	48	232
Huntington*	30.58	1	29.82	18	.....	13	se.	24	93	50	76	....	81
Parkersburg	30.50	1	29.81	18	4.7	17	nw.	28	91	50	69	62	90
Petersburg, W.Va.	30.48	24	29.83	18	.....	15	sw.	25	92	47	63	....	156
Pittsburgh, Pa*	30.52	1	29.82	18	7.8	26	w.	28	83	47	56	51	126

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* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR OCTOBER

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	51.5	95	21	2.05	2.31	1.96	1.97	....	7	..	..	..
1892	52.6	89	24	.21	1.05	.48	.83	....	4	..	..	..
1893	54.1	86	16	4.85	4.20	5.91	4.74	....	5	21	6	4
1894	54.4	88	22	2.66	2.23	2.02	2.32	T.	7	16	8	7
1895	**48.1**	89	**8**	1.19	1.28	1.34	1.29	T.	5	22	5	4
1896	51.0	82	20	.85	2.80	1.60	2.08	T.	7	14	9	8
1897	58.2	95	22	1.21	.35	.40	.53	0.0	3	18	7	6
1898	55.6	95	19	5.91	4.97	3.84	4.84	T.	11	11	10	10
1899	56.8	91	19	1.60	1.36	1.40	1.42	.0	5	15	7	9
1900	60.9	97	24	1.77	2.65	2.21	2.33	.0	5	16	8	7
1901	54.3	86	19	.31	.43	.79	.54	.0	3	19	6	6
1902	56.5	87	17	3.35	2.69	2.29	2.63	T.	6	16	8	7
1903	54.2	96	15	2.57	2.85	2.24	2.55	T.	6	17	7	7
1904	54.5	92	16	1.61	1.62	1.18	1.59	T.	5	18	8	5
1905	54.2	95	19	3.42	5.36	4.42	4.71	T.	6	13	8	10
1906	54.5	86	12	3.36	2.95	3.42	3.09	1.3	12	11	6	14
1907	50.3	87	19	1.38	3.12	2.63	2.65	.1	7	15	9	7
1908	55.1	91	16	1.39	1.37	1.99	1.60	T.	5	18	7	6
1909	50.0	88	14	3.05	3.12	2.37	2.79	.1	7	16	7	8
1910	58.1	95	15	1.59	1.93	1.78	1.85	.7	6	18	7	6
1911	56.3	88	23	4.12	5.30	5.71	5.28	.0	11	12	7	12
1912	55.5	93	20	.66	1.55	1.50	1.34	T.	4	18	7	6
1913	54.5	92	12	5.67	4.79	4.08	4.50	.3	11	12	6	13
1914	57.3	91	14	2.33	2.94	3.23	2.94	T.	9	12	8	11
1915	56.6	89	20	3.55	3.66	4.01	4.11	T.	6	17	7	7
1916	54.1	97	16	1.98	2.84	2.08	2.38	T.	7	19	5	7
1917	49.2	89	16	3.84	4.74	4.14	4.35	5.5	10	15	6	10
1918	58.2	89	24	2.44	3.47	4.20	3.68	T.	8	15	7	9
1919	**62.3**	**102**	28	3.47	6.66	5.84	5.84	.0	14	9	7	15
1920	57.5	90	21	.82	1.29	1.10	1.15	.1	4	22	4	5
1921	53.7	88	21	1.16	2.74	2.62	2.48	.1	8	18	5	8
1922	55.4	93	18	2.14	2.42	2.59	2.45	T.	6	19	5	7
1923	52.1	93	12	1.09	1.39	1.49	1.39	T.	6	19	5	7
1924	54.6	87	14	.65	.30	.44	.40	T	2	23	4	4
1925	49.3	86	14	5.14	8.27	6.70	**7.30**	4.3	16	5	7	19
1926	54.9	92	20	3.64	4.96	4.89	4.79	.3	12	10	8	13
1927	57.0	100	21	6.28	4.37	2.99	4.13	.4	8	19	4	8
1928	56.7	94	12	1.34	2.04	2.13	1.98	.1	7	14	7	10
1929	52.6	89	21	7.65	6.10	5.69	6.17	.1	1	13	6	12
1930	50.5	94	**8**	.42	.97	1.07	.96	.2	6	17	6	8
1931	57.0	98	18	1.14	1.88	1.53	1.66	T.	8	16	6	9
1932	54.9	90	22	5.57	3.49	3.89	3.91	.1	9	12	7	12
1933	53.6	91	13	1.61	1.74	1.60	1.67	T.	6	16	9	6
1934	54.4	86	14	1.03	.89	1.14	1.01	.1	4	20	6	5
1935	54.7	90	15	2.15	3.24	2.87	3.01	.2	9	16	8	7
1936	56.5	89	12	4.73	3.83	3.68	3.89	T.	11	14	6	11
1937	51.6	91	11	8.96	6.89	6.44	6.99	1.2	16	10	6	15
1938	55.0	92	15	1.34	.94	.66	.89	T.	4	22	5	4
1939	55.9	92	14	3.61	3.87	2.08	3.24	.1	8	16	8	7
1940	54.3	88	18	2.06	2 19	1.13	1.80	.4	8	14	9	8
1941	59.6	99	17	1.26	3.68	2.48	2.89	.0	12	12	9	10
1942	55.8	87	11	6.93	3.73	3.08	4.04	T.	10	13	8	10
1943	52.4	89	19	2.87	2.05	2.28	2.26	.1	8	15	5	11
1944	53.7	88	15	4.30	4 38	3 61	4 07	T.	10	14	9	8
1945	53.1	95	15	1.07	1.81	1 60	1.65	T.	6	17	7	7
1946	57.2	92	20	3.36	2.98	2.10	2.67	T.	7	16	7	8
1947	60.6	92	14	1.12	1.32	1.80	1.48	.0	7	15	7	9
Period	54.8	102	8	2.73	2.95	2.68	2.83	0.3	8	16	7	8

Climatological Data for October 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	53.2	+4.0	84	22	17	1	1.31	−1.95	0.70	29	0	5	16	5	10	w.	Howard R. Fulk
Franklin	Pendleton	1,750	9	..	..	..	..	..	..	1.09	.....	0.90	28	0	5	....	....	..	....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	..	..	..	..	..	..	0.74	−2.52	0.67	29	0	4	....	....	....	....	Miss Eleanor J. White
Inwood	Berkeley	569	14	60.4	+5.3	90	23	28	1†	1.07	−2.46	0.61	28	0	5	11	17	3	e.	H. W. Prettyman
Kearneysville	Jefferson	548	17	60.8	+5.9	90	23	27	1	1.16	−2.10	0.52	28	0	7	13	14	4	s.	University Exper. Station
Martinsburg	Berkeley	545	55	60.0	+5.3	88	23	24	8	0.90	−2.17	0.58	28	0	4	14	4	13	s.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	13	59.4	+5.3	92	23	18	1	1.02	−1.29	0.83	28	0	4	16	7	8	w.	R. E. Saville
Petersburg	Grant	1,029	6	60.6	.....	90	22	23	1	0.75	.....	0.63	28	0	2	13	2	16	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	60 6	+7.2	87	23	28	1	0.75	−1.90	0.70	28	0	4	16	9	6	s.	C. A. Suter, Jr.
Romney	Hampshire	824	46	60.4	+5.5	89	23	23	1	0.91	−1.64	0.67	28	0	6	17	5	9	w.	Marlou W. Haines
Spruce Knob	Pendleton	4,550	15	..	..	..	..	..	..	4.61	+0.68	0.58	28	0	12	....	....	....	.....	Moses R. Benuet
Stony River Dam	Grant	3,300	15	..	..	..	..	..	..	0.55	−2 65	0.22	30	0	4	11	2	18	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	56 8	+4.2	89	23	22	1	1.05	−2.11	0.46	28	0	7	23	0	8	nw.	Reymann Memorial Farm
Means and Extremes		.....	....	**59 0**	.....	**92**	**23**	**17**	**1**	**1 12**	.....	**0.95**	**29**	**0**	**5**	**15**	**7**	**9**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	1.96	−1.58	0.91	28	0	8	12	12	7	w.	L. Esie Bond
Benson	Harrison	1,080	22	61.2	+8.3	88	22	24	2	1.23	−2.33	0.57	28	0	8	17	10	4	.....	R. D. Marts
Bens Run	Pleasants	652	46	63.6	+7.0	87	16	33	1	1.37	−1.65	0.61	28	0	5	24	5	2	....	Mrs C. W. Rea
Brandonville	Preston	1,798	6	57.1	.....	80	6†	21	1	1.82	.....	0.64	28	0	5	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	60.1	+5.5	85	15†	24	2	1.58	−1.84	0.73	28	0	6	18	6	7	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	60.0	+6.2	85	22	24	1†	1.37	−1.77	0.62	28	0	9	17	6	8	w.	Prof. Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	62.4	+6.6	89	15†	27	2	0.81	−2.11	0.32	28	0	5	18	8	5	....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	52.8	....	78	22	14	2	1.49	.....	0.90	28	0	8	10	18	3	e.	George B. Thompson
Clarksburg	Harrison	1,015	24	59.6	+6.2	84	15	28	1	1.22	−1.91	0.55	28	0	6	18	4	9	se.	Clarksburg Water Board
Creston	Wirt	640	46	*60.8*	+5.1	90	17	29	1†	1.16	−1.99	0.40	28	0	7	.....	.....	.....	.....	Beatrice M. Ludsome
Dam 10 Mon. R	Monongalia	826	25	62.4	.....	89	23	31	1†	1.23	−1.94	0.48	28	0	7	22	2	7	se.	Lockmaster
Dam 13 O. R	Marshall	655	31	..	..	.....	.....	.....	.....	1.00	−1.69	0.41	29	0	6	..	.....	.....	....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	.....	.....	.....	.....	.....	1.86	−1.38	0.55	30	0	6	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.. ..	..	.....	.....	.....	.....	1.18	−1.47	0.55	18	0	10	..	..	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	0.95	−1 80	0.48	18	0	9	....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	57.8	+6.7	84	22	23	2	1.35	−1.56	0.87	28	0	5	12	4	15	se.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	61.8	+6.7	87	23	22	1	1.21	−1.90	0.54	28	0	5	19	6	6	ne.	Monongahela Power Co.
Glenville	Gilmer	738	59	61.6	+5.4	84	15†	29	1‡	1 47	−1.74	0.61	28	0	9	12	10	9	w.	Fred W. Wells
Grafton	Taylor	1,100	53	59.0	+4.0	85	15	24	2	1.56	−1 40	0.81	28	0	6	15	8	8	sw.	William D. Myers
Grantsville	Calhoun	730	2	*60.6*	.....	88	23	30	1†	1.01	.....	0.51	28	0	7	13	14	4	....	Hope Natural Gas Co.
Harrison County Airport	Harrison	1,188	7	59.8	....	84	15	23	1	1.31	.....	0.62	28	0	6	12	9	10	n.	U. S Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	.....	.....	.....	1.69	−1.62	0 50	28	0	8	13	10	8	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	.....	.....	.....	.....	.....	1 87	−1.45	0.83	19	0	8	.....	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	6	54 8	....	82	22	18	1	1.64	.....	0.75	28	0	9	18	4	9		O. C. Hamilton
Mannington, 1½ mi. NW	Marion	974	45	60 0	+6.4	87	23	22	1†	1.91	−1.26	0.72	28	0	8	16	6	9	sw.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	6	*61.2*	....	86	23	28	1†	1 39	.....	0.53	19	0	6	18	4	9	e.	L. A. Crumrine
Morgantown	Monongalia	1,250	71	63.2	+8.0	86	15	31	1	1.16	−1.99	0.51	28	0	5	21	8	2	sw.	Prof. L. M. Peairs
New Cumberland	Hancock	671	52	59.8	+5.8	86	13	36	2	0.79	−1.93	0.44	30	0	5	19	5	7	se.	C. O. Valentine
New Martinsville	Wetzel	637	53	62.8	+6.0	88	23	32	1	1.07	−2.05	0.41	28	0	5	15	9	7	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	63.5	+7.4	85	16†	32	2	0.89	−1.59	0.28	18	0	9	12	8	11	se.	Section Center
Parsons	Tucker	1,649	48	59.6	+8.1	87	22	25	2	1.25	−2.02	0.76	28	0	8	10	13	8	w.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	1.36	−1.78	0.48	28	0	6	.....	.....	.....	.....	Mrs. Maxine Leach
Pickens‡	Randolph	1,050	23	.....	.....	.....	.....	.....	.....	1.51	−1.91	0.71	28	0	6	21	3	7	....	Mary A. Conrad
Roanoke‡	Lewis	1,375	62	60.6	.....	90	22	28	1	1.74	−2.61	0.58	28	0	6	6	2	23	ne.	W. H. Bolyard
Rowlesburg	Preston	2,950	18	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. Sleeman
Thomas	Tucker	1,011	23	65.4	+10.0	88	5†	26	2	1.30	−2.11	0.63	28	0	7	15	7	9	w.	Roscoe H. Jackson
Valley Chapel	Lewis	668	54	59.3	+5.8	85	16	27	1	0.75	−1.97	0.29	28	0	3	15	8	8	.....	George P. Flister
Wellsburg, 3 miles NE	Brooke	979	21	.....	.....	.....	.....	.....	.....	1.44	−2.78	0.60	28	0	9	.....	.....	.....	.....	Scotland G. Highland
West Milford‡	Harrison	1,026	56	.....	.....	.....	.....	.....	.....	2.04	−0.77	0.86	18	0	8	.....	.....	.....	.....	J. Arthur Henry
Weston	Lewis	659	63	62 0	+7.1	86	15†	32	2	0.86	−1.87	0.33	30	0	4	18	7	6	sw.	Lockmaster
Wheeling (Dam 12)	Ohio	.....	....	**60.4**	....	**90**	**17†**	**14**	**2**	**1.32**	.....	**1.05**	**28**	**0**	**6**	**15**	**8**	**8**	w.	
Means and Extremes																				
Southern Division																				
Arbovale	Pocahontas	2,727	24	.. ..	.....	.....	.....	.....	.....	2.62	−0.02	1.15	8	0	6	14	6	11	sw.	H. S. Sutton
Athens	Mercer	2,600	7	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Concord College
Bluefield	Mercer	2,558	52	59.6	+3.9	80	22†	28	1	1.85	−0.93	0.42	18	0	9	13	5	13	..	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	61.8	....	88	23	32	2	2 11	.....	0.65	28	0	8	17	2	12	.....	Willard F. Russell
Charleston	Kanawha	615	60	64.2	+5.3	87	16	32	1	1.22	−1.82	0.44	17	0	9	19	6	6	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	63.3	.....	86	15†	31	1	1.39	.....	0.38	18	0	10	10	9	12	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	60.6	.....	80	19†	17	1	3.36	.....	1.42	31	0	9	..	.....	.....	s.	Department of Justice
Flat Top	Mercer	3,270	9	55.8	.....	80	23	26	1	1.83	.....	0.60	18	0	8	11	5	15	se.	U. S. Airway Station
Gary	McDowell	1,426	30	60.9	+5.3	89	5	33	1	1.45	−1.45	0.39	18	0	9	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	61.8	....	88	16†	28	1	0.82	.....	0.30	25	0	5	20	4	7	....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	62.2	+5.2	91	23	34	1	2 29	−0.54	0 59	29	0	7	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	65.1	+8.7	88	16	34	1	1.71	−0.81	0.72	4	0	7	16	9	6	ne.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	.....	.....	.....	.....	.....	2 29	−1.03	1 05	28	0	7	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	57.8	+4.6	84	23	23	1	2.20	−0.80	0.59	28	0	9	16	6	9	..	Prof. H. B. Graybill
Logan	Logan	700	34	64.0	+5.9	87	16	35	1	3.01	−0.04	2.04	9	0	10	19	5	9	....	J. W. Ruff
London Locks	Kanawha	623	12	62.2	.....	84	16	34	1†	1.89	−1.03	0.74	8	0	11	....	...		w.	Lockmaster
Madison	Boone	675	26	62.2	+6 6	85	16	32	1	1.38	−1.25	0.49	9	0	7	16	11	4	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	57.3	....	81	23	25	1	2.65	....	0.97	8	0	10	.....	.....	.....	.....	M. H. Martin
Pineville	Wyoming	1,350	5	59.2	....	87	22	29	1	1.33	.....	0.72	18	0	6	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	63.8	+6.6	85	16	33	2	1.87	−0.94	1.08	5	0	8	17	5	9	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	16	57.5	+6.7	86	22	25	1	1.74	−0.87	0.46	28	0	10	13	2	16	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	64.2	+7.9	87	15†	28	2	1.16	−1.63	0.44	18	0	6	20	3	8	nw.	Lockmaster
Richwood	Nicholas	2,193	16	57.2	+4.5	86	22	22	1	1.27	−1.58	0 60	27	0	5	15	5	11	.....	Richwood Water Co.
Ripley	Jackson	610	5	62.6	.....	89	16	27	2	0 95	.....	0.30	18	0	8	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	48	61.6	+6.7	85	16	28	2	1.18	−1.98	0.41	28	0	8	17	12	2	.....	A. M. McKown
Summersville	Nicholas	1,900	11	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	44	63.0	+6.3	87	22†	30	2	1 86	−1.13	1.02	28	0	6	22	7	2	..	C. B. Eakle
Union	Monroe	2,200	43	57.1	+2.7	83	23	24	1	1 88	−0.85	0 98	9	0	7	15	7	9	e.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	61.2	....	87	22	29	2	1.06	.....	0.47	28	0	5	15	5	11	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	57.6	+5.2	79	20	23	2	2 54	−0.27	0.99	28	0	9	8	10	13	w.	Greenbrier Hotel
Williamson	Mingo	673	46	65.2	+7.4	91	22	36	1	1.51	−1.28	1.02	7	0	9	17	10	4	w.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	63.6	.....	86	22	32	1†	1.07	.....	0.42	28	0	6	14	4	13	w.	Lockmaster
Means and Extremes		.....	....	**61.3**	.....	**91**	**22†**	**17**	**1**	**1.80**	.....	**2.05**	**8**	**0**	**7**	**15**	**7**	**9**	w.	
State Averages and Extremes		.....	..	**60.6**	**+5.8**	**92**	**23**	**14**	**2**	**1.48**	**−1.35**	**2.05**	**8**	**0**	**7**	**15**	**7**	**9**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated.

Daily Precipitation for October 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac																	.07		T.									.20	.70	.30	.04	1.31
Brushy Run[3]	do.								T.	.05	.06								.10									.37	.14			0.72
Franklin	do.																.08	.07	.04										.40	.50			1.09
Harpers Ferry[3]	do.																.01	.03	.03	T.										.67		T.	0.74
Inwood	do.																.03	.16	.11										.61		.16		1.07
Kearneysville	do.																.23	.16	.11										.52	.01	.09	.04	1.16
Knobly Mountain[3]†	do.																T.	T.	T.										.70	.15	T.		0.85
Martinsburg[4]	do.								T.				T.				.06	.11	T.										.58		.15	T.	0.90
McNeill†	do.																	.06											.83		.10	.03	1.02
Petersburg	do.								T.	T.			T.		T.	T.		.12											.63		T.	T.	0.75
Piedmont	do.																		.02										.70	.02	.01		0.75
Romney	do.																	.03	.07										.67	.03	.10	.01	0.91
Springfield[3]	do.																		.05										.57	.22		.08	0.92
Spruce Knob[3]†	do.								.12	.47	.28	.26	.38				T.	.43	.38	.14									.58	.43	.36	.18	4.01
Stoney River Dam[3]†	do.															.10	.11	T.															0.55
Wardensville[3]	do.								.01									.03	.19	.06									.46	.19		.11	1.05
Northern Division																																	
Aberdeen†	West Fork								T.	.03								.04	.04	.67									.91	.17	.06	.04	1.96
Bellington[3]	Tygart									.03									.10	.02									.50	.72	.04	.06	1.47
Benson†	West Fork									.06			.05						.05	.08									.57	.25	.15	.02	1.23
Bens Run	Ohio																		.22	.07									.61	.02	.45		1.37
Big Skin Creek	West Fork									.35	.03																		.55	.41	.08		§§
Brandonville[3]	Cheat																	T.		.62									.64	.32	.16	.08	1.82
Brownsville†	West Fork									.25									.16	.23									.73	.11	.10		1.58
Buckhannon	Tygart		T.						T.	.10			.11					.05	.08	T.	.01								.62	.32	.07	.01	1.37
Cairo	Litl. Kanawha									.10									.06	.20	T.								.32	T.	T.	.13	0.81
Canaan Valley	Cheat								T.								.02	.08	.02	.02									.90	.14	.13	.18	1.49
Clarksburg[2]	West Fork																	T.	.08	.25	T.								.55	.09	.05	.20	1.22
Crawford	do.								T.	.38								.04	.38										.80	.20	.07	.01	1.88
Creston[3]	Litl. Kanawha									.09	T.	.04							.16	.40						T.			.40	.03	.04		1.16
Dailey[3]†	Tygart								T.	.42								.13	.06	T.	T.								.98	.09	T.	.09	1.77
Dam 10, Mon. R.[3]†	Monongahela																		.07	.20	.02								.48	.29	.05	.12	1.23
Dam 13, O. R.[3]†	Ohio																			.02	.01								.30	.41	.20	.06	1.00
Dam 15, Mon. R.[3]†	Monongahela									T.									.06	.51									.48	.20	.06	.55	1.86
Dam 19, O. R.[3]†	Ohio									.03		.02						.01	.55	.29						.02			.10	.04	.10	.02	1.18
Dam 20, O. R.[3]†	do.									.06		.02						T.	.48	.06						.04			.15	.02	.10	.02	0.95
Elk†	West Fork																			.65									.90		.15		1.70
Elkins[1]†	Tygart							.19	T.	T.								.14	.11	T.									.87	T.	.04	T.	1.35
Fairmont[2]	Monongahela																		.22	.02									.54	.05	.38		1.21
Glenville[3]	Litl. Kanawha									.13								.02	.04	.44					.01	T.			.61	.09	.07	.06	1.47
Grafton	Tygart									T.									.09	.11									.81	.19	.26	.10	1.56
Grantsville	Litl. Kanawha							.08											.05	.20	.03								.51	.11	.03		1.01
Hackers Creek†	West Fork												.29	T.					.10	.30									.65	•	.16		1.50
Hall[2]	Tygart									.05								.12	.02	T.									.58	T.	.05	.07	0.89
Harrison Co. Arpt[4]	West Fork								T.	T.			T.					.01	.35	T.								.01	.62	.07	.25		1.31
Hastings	Ohio																	.03	.04	.40	.03								.50	.23	.42	.04	1.69
Horner	West Fork																																
Ireland	do.									.31									.26										.71	.29	.09	T.	1.66
Jane Lew	do.									.01								T.	.16	.83	T.								.67	.03	.12	.01	1.87
Kumbrabow St.For.†	[2]Tygart							.11	.39	.01			.04					.13	.10										.75	.03	.01	.11	1.64
Mannington	Monongahela																	T.	.12	.54	.01								.72	.18	.27	.06	1.91
Middlebourne[3]	Middle Is. Crk								T.				.04							.53									.40	.02	.27	.13	1.39
Midvale[3]†	Tygart								.21									.05	.03	.24	T.								.38	.35	.10	.12	1.48
Morgantown	Monongahela																		.06	.12									.51	.37	.10	T.	1.16
Mt. Clare	West Fork								.11			.11						.06	.10	.19	.01								.64	.03	.25	.04	1.54
New Cumberland	Ohio																		.08	.09									.18	.20	.24	T.	0.79
New Martinsville	do.												T.						.18	.04									.44	.06	.35		1.07
Parkersburg[1]†	do.																	.27	.13	.07						T.		.11	.09	T.	.16		0.89
Parsons	Cheat							.01	.03	.02								.03	.08	.05									.76	.07	.14	.10	1.25
Philippi[2]	Tygart							.02	T.					T.				T.	.08	.32									.48	.23	.10	.15	1.36
Roanoke	West Fork																												.71	.16	.06		1.51
Rockford†	do.							T.	.46							.05	.07												.67	.08	.13	.04	1.41
Rowlesburg[2]	Cheat							.05				T.						T.	.07	.37									.58	.48	.09	.29	1.74
Salem	West Fork																		.16	.14	T.								.66	.10	.38		1.58
Sand Fork	Litl. Kanawha												.12				T.	T.	T.	.32									.92	.18	.09		1.74
Shinnston	West Fork							T.	.35							T.	T.	.05	.15	T.									.63	.15	.30	.04	1.26
Thomas[2]	Cheat																	T.		.14									.82	.07		.35	§§
Upper Davisson Run	West Fork																												.58	.15	.21	.03	1.33
Valley Chapel	do.								.05			.01						.04	.06	.20									.63	.06	.06	.04	1.30
Valley Head[2]	Tygart	T.							.06									T.	.07	.38									.73	.15		.05	1.45
Vandalia†	West Fork							.38										.08	.06														
Wellsburg (near)	Ohio																																
West Milford	West Fork								.10			.08						.05	.13	.15									.29	.23	.23		0.75
Weston[2]	do.								.18									.02	.14	.72									.60	.12	.15	.06	1.44
Wheeling (Dam 12)[3]	Ohio																		T.	T.	T.								.70	.10	.06	.12	2.04
Southern Division																													.23	.30	.16	.17	0.86
Arbovale	Greenbrier							1.15	T.	T.	.01	T.			T.	.07	.10	T.											.81	.48	T.		2.62
Athens	New																	.13	.19	.03									.20				§§
Bluefield	do.								.33	.10		.01				.02	.37	.42	.15					.12					.33				1.85
Bluestone Dam	do.							.01	.53	.45	T.		T.					.11	.24	.12									.22	.43			2.11
Camden-on-Gauley[2]	Gauley							.05	.36							.05			.03	.32									.15	.40			1.36
Charleston	Gr. Kanawha							.05	.38	.01								.20	.24						.11				.20	.01		.02	1.22
Charleston Airport[4]	do.							.28	.05	.01								.37	.15					.10	.11		.17		.12	T.	.03		1.39
Coalwood	Big Sandy							.02	.28	.03								.25	.74	.02				.04	.03				.20				1.61
Cranberry Glades	Cranberry							.68	.39	.19						.27	.15	.08												.18	1.21	.21	3.36
Flat Top[4]	New							.25	.32	.10								.26	.39					.01	T.				.45		.05	T.	1.83
Gary[2]	Big Sandy							.10	.05	.28								.09	.39	.27				.01	.05	T.			.21	T.			1.45
Hamlin	Mud							.06	.19									.07							.30				.20				0.82
Hinton[2]	New							T.	.51	.44						T.		.13	.23	.16									.23	.59			2.29
Hogsett	Ohio				.32			.02	.06									.08	.18						.10	T.			.11	T.		.05	0.92
Huntington	do.				.72			.09	.01									.10	.38					.14					.27	T.	T.		1.71
Kayford[2]	Gr. Kanawha							.18	.41		.10							.20		.30									1.05		.05		2.29
Lewisburg	Greenbrier							.41	.50	.37						.01	.12	.17	.02										.59		.01		2.20
Logan[2]	Guyandot	T.						.14	2.04	.22								.15	.05	.04				T.	.03	T.			.30	.01		.03	3.01
London Locks[2]†	Gr. Kanawha							.20	.54	.09	.09							.06	.13		T.				.04				.64	.04	.03	.03	1.89
Madison[2]	Coal							.13	.49		.03							.11	.24						.14				.24				1.38
Oak Hill	New							.49	.48	.16								.11	.20	.31					.01				.53	.16		.20	2.65
Pineville[2]	Guyandot							T.	T.	T.						T.		.12	.72	.02					.04				.42	.01			1.33
Point Pleasant[2]	Ohio				1.08			T.	.17	T.								.02	.28	.04					.06				.20	.02			1.87
Princeton[2]	New									.07	.21							.10	.34	.02				.03					.23				1.00
Ralnelle	Greenbrier							.28	.22	.39		T.				.01	.06	.22	.06										.46		.03	.01	1.74

Continued on next page.

Daily Precipitation for October 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio									.16								T.	.44	T.						.02			.21	.32		.02	1.16
Gauley	Ohio									.35									.09	.12								.60		.11			1.27
Richwood [2]	Ohio								.03	.23	.02							.07	.30							.06			.23	.01			0.95
Ripley	Ohio									.15	.10	.02						.01	.26	.16	.07								.41				1.18
Spencer [2]	Litl.Kanawha																	.10										.51	.17		.03		§§
Summersville [2]	Gauley									.37								.07	.12	.21									1.02	.07			1.86
Sutton	Elk									.98	.38	.02	T.	T.			.09	.05	T.	.03									.33	T.		T.	1.88
Union [2]	New								T.	.98	.38	.02	T.	T.				.08	.18							.12	.08		.13				1.69
Wayne [2]	Twelvepole					.81			.04	.25									.10										.47		T.		1.06
Webster Springs	Elk								.16	.23	.10								.10										.99	.05	.02		2.54
White Sulp'r Spgs.	Greenbrier								.21	.60	.32		T	T.			.02	.20	T.	.13						.07	.05		.22				1 51
Williamson [2]	Big Saudy							.20	.82	.04							.05	.04	.02								.16			.42			1.07
Winfield Locks [2†]	Gr. Kanawha								.06	.10	T.	T.						.04	.29														

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point; Dalley, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont [5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for October 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum																																
	Minimum																74	72	74	71	75	80	81	81	72	69	73	70	71	63	55	57	§§
Bayard	Maximum	55	65	73	75	78	79	78	72	64	65	69	65	78	77	75	61	60	58	52	52	41	40	43	52	48	46	49	53	44	39	42	§§
	Minimum	17	18	23	29	33	33	27	41	48	49	45	50	38	44	27	75	71	71	66	71	76	84	79	71	72	75	76	64	55	51	46	70.0
Bluefield	Maximum	60	66	72	70	70	73	70	64	62	60	56	61	73	75	70	27	47	48	55	37	33	28	30	35	31	41	48	31	31	39	42	36.3
	Minimum	28	35	57	53	49	44	52	58	59	55	51	55	57	52	48	73	71	73	72	74	72	80	80	77	53	68	68	69	65	56	57	68.3
Buckhannon	Maximum	59	68	75	79	80	80	82	75	71	72	77	79	80	75	84	62	62	59	55	56	46	44	46	52	48	53	51	53	49	42	45	50.8
	Minimum	24	24	32	40	42	42	38	50	56	57	55	54	45	50	40	62	60	62	59	49	37	35	38	47	48	46	40	54	50	47	45	45.5
Charleston (Airport)	Maximum	64	72	80	82	81	85	81	77	68	71	77	80	82	80	86	57	58	56	58	59	49	37	35	38	47	48	46	40	54	50	47	45	49.1
	Minimum	31	34	43	48	49	51	48	60	58	57	51	52	53	48	45	57	61	59	57	49	46	46	44	49	55	51	48	52	46	47	43	49.6
Clarksburg [3]	Maximum	59	69	75	79	79	81	79	75	71	72	79	80	79	76	84	83	78	77	71	75	81	82	83	74	75	78	78	67	60	53	52	74 3
	Minimum	28	29	31	35	41	45	44	45	51	58	54	55	49	50	38	39	43	58	57	50	39	39	39	40	51	50	43	43	51	49	46	44.8
Cranberry Glades	Maximum	62	69	69	52	67	69	71	73	70	69	73	75	78	77	72	76	75	78	80	78	79	80	77	74	73	68	70	65	60	62	59	70.8
	Minimum	17	42	42	50	46	49	50	49	52	50	46	46	61	63	60	60	62	62	62	55	57	52	49	48	47	47	49	49	48	50	45	50.5
Elkins	Maximum	58	66	74	79	79	80	76	73	67	68	74	72	76	77	79	78	73	76	68	72	78	84	89	70	74	78	74	72	59	51	50	72.1
	Minimum	24	23	28	34	37	42	37	49	55	56	49	51	47	41	34	56	60	57	56	43	34	31	35	42	44	45	36	52	47	47	46	43 2
Fairmont [3]	Maximum	58	68	78	80	81	85	85	76	74	74	82	84	83	79	86	83	78	78	72	79	82	86	87	74	79	80	81	72	63	52	52	76.5
	Minimum	22	31	34	40	45	46	44	46	57	54	52	57	51	50	42	55	54	59	58	48	40	39	40	51	48	52	44	55	51	49	47	47.1
Flat Top	Maximum	58	63	69	70	71	70	64	64	59	56	56	59	71	72	66	71	68	70	67	70	76	78	80	58	57	67	67	67	56	50	52	65.2
	Minimum	26	27	35	48	38	44	50	55	56	51	49	53	48	55	52	59	58	57	53	53	40	38	36	45	45	43	49	50	46	40	41	46 5
Gary [3]	Maximum	67	70	79	80	89	80	74	72	66	66	74	74	78	78	76	82	79	78	74	77	83	87	84	64	70	81	77	73	64	59	62	74.8
	Minimum	33	34	37	44	43	43	44	49	61	58	53	51	51	51	47	49	59	60	55	55	44	42	39	40	53	46	45	45	46	40	41	47.0
Glenville	Maximum	59	68	74	79	78	80	79	78	73	74	79	82	80	78	84	84	78	80	76	76	79	82	83	76	75	79	79	73	64	56	56	75.5
	Minimum	29	29	34	41	45	47	43	51	57	59	52	53	51	55	38	53	55	62	56	51	42	39	40	49	52	50	43	55	53	49	47	47.7
Grafton	Maximum	57	69	74	79	79	82	82	76	69	74	80	80	78	75	85	80	78	76	70	73	78	83	82	74	77	77	79	69	62	53	56	74.2
	Minimum	27	24	30	35	43	43	40	45	50	55	53	52	48	48	33	50	50	54	54	48	37	36	35	44	40	47	40	53	50	48	47	43.8
Huntington	Maximum	63	70	80	82	81	83	79	74	67	73	81	84	85	79	85	88	82	80	81	81	80	86	85	78	70	82	80	82	65	59	66	77 8
	Minimum	34	36	46	49	54	51	48	59	60	60	53	53	55	56	45	59	64	66	61	54	47	45	46	55	57	54	54	54	54	51	44	52.4
Lewisburg	Maximum	62	72	75	76	76	76	70	66	63	59	60	61	79	81	71	75	71	79	75	80	82	83	84	68	61	74	71	70	65	53	60	70.0
	Minimum	23	26	33	38	38	35	42	57	57	53	51	56	50	49	45	61	60	61	49	47	39	39	40	49	51	42	44	55	45	37	42	45.5
Logan [3]	Maximum	67	75	78	82	76	83	83	72	67	74	78	79	83	77	83	87	82	75	82	83	85	86	85	72	74	82	82	74	65	59	63	77.2
	Minimum	35	36	40	49	49	51	51	51	61	62	53	54	55	55	53	53	59	63	64	59	38	48	41	45	54	51	49	49	54	44	47	50 5
Madison [3]	Maximum	64	71	75	77	79	78	79	70	69	72	77	78	81	75	82	85	79	79	80	80	81	83	82	72	75	81	80	73	65	58	62	75.3
	Minimum	32	34	35	46	47	48	47	49	59	59	52	52	54	54	50	50	57	63	58	57	41	45	44	46	52	49	46	49	53	45	45	49.0
Mannington	Maximum	63	73	78	82	83	85	84	78	77	72	83	82	83	79	86	82	78	77	72	81	83	86	87	74	76	81	81	71	64	56	53	77.1
	Minimum	22	22	28	37	39	44	39	41	55	46	43	51	48	47	43	47	48	53	54	45	34	34	35	47	42	45	41	57	49	48	43	42 5
Martinsburg	Maximum	63	72	73	77	77	80	78	78	68	68	68	71	77	79	79	74	77	77	78	81	86	82	88	64	68	77	77	70	69	58	53	73.8
	Minimum	27	28	24	38	37	41	40	53	57	53	54	57	43	46	41	59	63	59	57	55	45	44	42	42	38	49	45	60	45	40	47	46.1
Middlebourne	Maximum	61	70	76	81	80	83	82	77	78	70	82	81	82	75	84	85	79	81	72	78	83	84	86	74	75	80	79	75	60	55	56	76 5
	Minimum	28	28	34	40	45	47	42	46	57	51	47	50	50	47	37	57	53	60	59	52	41	40	39	35	48	51	45	57	52	52	46	46.3
Morgantown	Maximum	58	69	75	84	84	82	85	75	74	77	81	77	84	76	86	83	78	77	69	77	81	84	85	79	79	80	84	76	65	55	52	76.5
	Miuimum	31	34	37	47	48	50	47	50	57	55	51	59	53	57	42	55	56	61	61	53	43	44	43	50	49	58	57	56	51	49	46	50 0
New Martinsville	Maximum	65	72	80	84	83	85	86	74	75	70	85	83	84	77	86	85	81	80	74	80	84	86	88	77	72	80	81	71	60	55	55	77.1
	Minimum	32	33	37	42	47	50	49	49	52	56	52	52	53	48	43	53	55	62	57	51	43	44	41	45	48	50	48	57	51	50	46	48.7
Parkersburg	Maximum	59	70	77	80	81	83	80	74	73	68	77	81	82	78	84	85	78	80	78	80	84	85	84	76	70	80	78	70	58	56	56	75.6
	Minimum	33	32	41	49	55	52	49	53	56	55	52	55	56	53	44	58	61	63	61	50	46	46	45	53	60	58	56	54	52	51	45	51.4
Petersburg	Maximum	62	75	82	82	82	86	81	79	64	72	75	67	84	81	78	77	75	82	79	82	87	90	89	67	76	83	79	68	65	58	58	76.4
	Minimum	28	24	28	36	38	40	36	52	58	55	56	55	50	44	35	62	59	58	55	43	37	35	38	48	49	48	41	57	45	42	44	44.4
Point Pleasant	Maximum	67	67	74	77	81	78	77	75	70	71	78	81	81	77	82	85	84	79	77	77	80	80	81	81	76	77	79	79	68	60	60	76.6
	Minimum	34	33	46	49	50	51	47	50	57	58	53	50	56	58	46	57	63	66	59	51	45	45	45	52	59	56	51	56	52	52	46	51.4
Rainelle	Maximum	61	70	76	77	79	79	79	68	63	61	65	65	79	79	75	79	74	73	72	77	82	86	84	62	62	74	70	69	61	53	57	71.4
	Minimum	25	29	32	35	37	38	36	55	55	53	50	54	48	48	38	62	59	60	50	48	36	32	34	42	50	41	40	41	44	37	45	43.4
Spencer	Maximum	60	69	76	78	79	81	79	78	68	70	76	79	80	78	82	85	79	80	79	78	80	83	83	71	73	77	78	70	60	59	56	75.4
	Minimum	29	28	38	46	47	46	41	46	56	59	50	51	49	52	39	42	58	61	59	50	41	39	41	51	57	56	53	56	52	50	45	48.8
Summersville [3]	Maximum										69	72	78	77	83	82	75	78	71	75	81	85	83	67	70	79	73	70	60	51	53	55	§§
	Minimum	22											46	43	45	34	47	53	59	47	41	34	32	34	41	52	39	36	47	43	37	43	33
Sutton	Maximum	65	73	81	83	83	84	84	82	80	74	80	80	82	82	85	85	84	83	83	78	80	87	87	85	77	78	78	78	70	67	64	79.4
	Minimum	32	30	35	40	44	46	45	54	58	56	50	48	50	52	40	53	51	57	54	52	40	38	37	44	47	46	44	52	50	47	50	46.6
Wardensville [3]	Maximum	62	73	73	79	79	82	71	78	64	68	68	67	79	77	78	76	78	79	79	79	85	83	89	62	71	79	77	69	66	53	52	71.6
	Minimum	22	23	29	36	34	37	36	48	55	55	55	56	48	46	33	44	55	58	50	43	36	36	37	43	39	46	40	47	50	35	41	42.2
Wheeling [2]	Maximum	61	70	77	82	83	84	85	77	72	75	83	84	83	76	86	86	81	77	75	83	85	86	86	74	73	82	81	71	58	54	55	76.4
	Minimum	33	32	34	40	46	50	49	50	50	48	48	49	53	49	45	46	56	57	63	48	44	44	43	43	45	52	48	50	51	50	44	47.4
White Sulphur Spgs.	Maximum	62	68	70	71	75	71	70	65	62	58	59	66	77	76	70	72	69	78	71	79	78	76	76	71	63	72	67	68	66	55	58	69.4
	Minimum	25	23	29	39	51	41	45	59	58	55	54	53	56	52	41	62	60	61	51	50	36	35	31	46	57	42	45	57	42	35	42	46.1
Williamson [3]	Maximum	69	75	82	84	84	85	83	68	69	75	83	84	85	79	86	89	81	80	83	84	89	91	90	74	71	85	85	77	68	62	66	79.4
	Minimum	36	37	43	48	48	49	48	51	61	61	53	53	54	56	53	54	59	62	58	58	49	47	43	44	56	50	50	53	55	44	46	50.2

Daily Evaporation (inches) and Wind Movement (miles) for October 1947

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg	Evaporation	.083	.069	.031	.052	.050	.010	.050	.063	.062	.086	.076	.076	.072	.028	.086	.073	.073	.042	.061	.039	.047	.041	.059	.041	.119	.067	.052	.000	.142	.087	.009	1.88
	Wind movement	72	30	11	21	17	15	20	22	36	60	30	32	20	24	35	43	38	22	43	37	6	28	6	37	14	33	25	57	22	65	34	100
Wardensville	Evaporation	.193	.020	.232	.108	.202	.112	.129	.111	.088	.096	.101	.116	.032	.125	.124	.093	.166	.057	.099	.099	.163	.137	.097	.159	.112	.125	.074	.232	.033	.061	.098	3 66
	Wind movement	5	63	11	10	30	14	13	12	17	36	21	27	9	4	24	29	7	21	20	20	25	18	10	20	19	15	20	68	18	12	5	62

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—1-22-48—1050)

WE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LV NOVEMBER 1947 No. 11

GENERAL SUMMARY

Owing to frequent passage of low pressure systems across the country during this November, precipitation was distributed rather evenly throughout the month. Only a day or two were free of precipitation over the entire state. The northeast panhandle division recorded the largest monthly amounts and the largest excesses of precipitation. Most of the northwest portion of the state also had above-normal precipitation. Deficiencies of total monthly amounts occurred in most north-central and southern portions. First snows of the season fell this month occurring, for the most part, during the last week; falls were relatively light.

Reflecting the frequent periods of stormy weather, temperatures averaged about a degree below normal over the state. Only five stations reported monthly averages above normal; th ir excesses were very small. As would be expected for November, highest temperatures occurred generally during the first decade and the lowest near or at the end of the month.

No storm damage was reported but Elkins Airport had considerable wind on the 24th with gusts as high as 64 m.p.h. attending the passage of a cold front.—*V. T. H.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 42.0°, or 1.3° below the normal. The mean for the northeastern panhandle division was 41.2°; for the northern division, 41.4°; and for the southern division, 42.9°. The highest monthly mean was 46.4° at Williamson; and the lowest, 31.7° at Cranberry Glades. The highest temperature was 74° at Spencer on the 6th and Alderson on the 7th; and the lowest, 3° at Kumbrabow State Forest on the 30th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 102 stations, was 3.03 inches, or 0.27 inch above the normal. In the northeastern panhandle division, the average was 3.74 inches; in the northern division, 3.15 inches; and in the southern division, 2.62 inches. The greatest monthly precipitation was 6.41 inches at Stony River Dam, and the least 1.10 inches at Vandalia. The greatest amount in any 24 consecutive hours was 2.10 inches at Stony River Dam on the 3d-4th. The average monthly snowfall was 1.0 inch, or 1.3 inches below the normal. The greatest monthly snowfall was 8.0 inches at Kumbrabow State Forest. The average number of days with 0.01 inch or more of precipitation was 11.

Errata: April, 1947, page 14, Cairo; total precipitation 2.43, precipitation departure, −1.03. Page 15, Cairo, total precipitation, 2.43.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	..	..	1	..	..	8	..	1	..	2	1	1	1	1	2	..	1	1	1	5	1	3	1	..	..	..	..	..	..	1
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	3	4	2	..	1	..	3	4	15	2	1	3	..	..	..	5	1	..	..	..	..	..	..	1	25	9	1	1	6	3	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	6	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	..	..	..	..	1	..	..	..	..	..	2	5	..	2	3	3	..	1	..	..	7	1	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	2	2	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	20	1	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY AND SUNSHINE DATA

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FEB 28 1948
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Stations	Sea-level pressure, extremes inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a.m.	1:30 p.m.	7:30 p.m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.57*	30*	29.44*	24*	10.3	38	sw.	24	83	65	71	35	733
Elkins*	30.54	30	29.31	24	8.5	39	w.	24	81	61	74	27	768
Huntington*	30.57	30	29.49	24	.....	29	w.	24	81	59	72	....	651
Parkersburg	30.56	30	29.42	24	6.7	24	w.	24	80	55	65	34	661
Petersburg, W.Va.	30.57	21	29.31	24	.....	27	nw.	24	80	57	66	....	683
Pittsburgh, Pa*	30.51	21	29.30	24	10.9	41	w.	24	77	65	67	22	773

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR NOVEMBER

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	42.5	80	8	2.14	3.34	2.79	3.04	.....	8	..	..	..
1892	41.7	81	3	2.64	5.59	2.79	3.10	.....	..	..	..	..
1893	41.4	74	3	2.44	2.27	1.77	2.12	.....	8	13	6	11
1894	39.8	82	5	1.90	2.57	1.02	2.11	.....	8	12	6	12
1895	44.6	87	12	1.62	1.66	2.06	2.35	.....	9	12	8	10
1896	48.1	80	10	2.75	3.47	3.80	3.50	....	8	10	8	12
1897	45.0	76	13	4.32	5.92	3.02	4.45	.....	13	9	9	12
1898	41.4	75	−3	3.00	3.10	2.41	2.84	.....	10	9	11	10
1899	45.6	76	14	1.80	2.48	1.28	1.93	T.	8	11	9	10
1900	45.5	86	9	3.62	5.03	6.20	5.20	2.8	10	8	8	14
1901	38.0	79	7	2.47	2.76	2.14	2.51	4.3	7	8	6	16
1902	50.3	83	12	2.94	2.96	3.69	3.27	.7	7	11	6	13
1903	38.0	80	−4	1.03	2.86	2.40	2.46	4.6	9	11	8	11
1904	41.2	75	9	.81	.48	.79	.64	1.4	4	12	7	11
1905	41.8	74	10	1.47	2.93	2.18	2.44	T.	9	13	7	10
1906	44.2	84	13	1.18	2.24	3.06	2.39	2.2	6	15	5	10
1907	41.8	74	13	3.06	3.18	3.74	3.40	1.0	9	10	8	12
1908	43.3	81	0	.96	.97	1.37	1.14	5.2	5	15	8	7
1909	49.1	84	12	.64	1.33	1.58	1.34	.2	7	14	7	9
1910	37.3	75	5	1.33	2.17	1.88	1.95	1.8	9	8	7	15
1911	40.5	83	7	1.91	2.70	3.13	2.74	2.0	8	10	7	13
1912	42.8	78	2	1.68	1.74	1.80	1.69	.9	6	14	7	9
1913	44.5	82	−1	3.61	5.25	3.84	4.49	13.4	10	12	5	13
1914	42.6	84	2	1.62	1.30	1.26	1.32	2.9	5	16	6	8
1915	45.2	85	11	1.84	3.30	3.26	3.06	1.1	9	13	8	9
1916	43.8	81	8	1.23	2.10	1.62	1.77	.3	6	16	5	9
1917	39.6	78	0	.36	.87	1.06	.89	1.5	10	16	4	10
1918	42.9	79	12	1.17	2.21	1.85	1.89	.2	6	13	5	12
1919	44.4	80	10	2.05	5.07	4.71	4.51	.3	10	12	6	12
1920	41.6	80	5	3.24	3.06	3.35	3.21	4.1	10	9	4	17
1921	46.1	85	11	3.59	6.72	6.02	5.99	.8	13	7	6	17
1922	43.8	80	2	.58	1.34	1.08	1.15	1.3	6	12	4	14
1923	42.3	73	10	3.13	3.86	3.06	3.49	.7	11	13	3	14
1924	42.9	87	9	1.70	1.99	2.29	2.05	4.1	9	10	6	14
1925	40.6	78	6	2.40	3.95	3.57	3.66	.9	9	11	5	14
1926	40.7	82	4	3.67	3.64	3.48	3.59	.6	9	10	5	15
1927	48.1	82	7	2.47	4.96	4.10	4.35	1.6	12	7	7	16
1928	44.0	81	9	2.57	3.49	3.31	3.31	2.9	12	6	6	18
1929	42.9	83	−9	3.49	4.71	4.58	4.52	3.6	13	7	5	18
1930	42.3	80	−14	.99	1.26	1.76	1.42	4.8	9	11	6	13
1931	51.3	88	11	.70	2.17	1.68	1.81	.2	9	13	6	11
1932	40.9	85	0	3.82	3.65	2.75	3.34	.2	8	13	5	12
1933	41.4	88	−5	1.29	2.45	1.65	1.98	6.6	11	9	6	15
1934	46.6	80	8	3.37	3.13	3.48	3.30	1.0	9	12	7	11
1935	46.0	88	2	3.10	2.41	3.26	2.80	1.1	12	8	5	17
1936	41.3	85	1	1.27	2.93	2.56	2.54	1.8	7	12	6	12
1937	40.9	78	−3	1.51	1.62	1.48	1.56	3.6	11	9	6	15
1938	44.7	86	−10	2.68	4.22	4.05	3.96	11.0	9	16	6	8
1939	40.8	80	10	1.81	.80	.84	.96	2.2	6	14	6	10
1940	43.2	80	4	3.72	3.69	2.50	3.27	3.8	11	8	8	14
1941	44.3	80	6	2.31	2.40	2.17	2.31	.2	7	14	6	10
1942	44.7	80	9	2.12	4.49	3.65	3.81	.2	12	8	8	14
1943	41.1	83	2	1.73	2.37	1.98	2.12	2.3	7	11	8	11
1944	42.5	79	5	1.61	2.52	2.08	2.22	2.4	12	7	6	17
1945	44.9	84	4	3.94	5.80	5.05	5.29	3.1	14	8	8	14
1946	48.4	86	10	0.84	1.95	1.72	1.67	T.	7	14	7	9
1947	42.0	74	3	3.74	3.15	2.62	3.03	1.0	11	7	6	17
Period	43.3	88	−14	2.19	2.99	2.68	2.76	2.3	9	11	6	13

Climatological Data for November 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, Inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	36.6	−2.5	56	5†	6	30	4.92	+1.92	1.65	3	3.5	12	8	6	16	w.	Howard R. Fulk
Franklin	Pendleton	1,750	9	.....	.....	.....	.....	.....	.....	2.65	.....	1.66	3	.....	8	.	.....	.....	.....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	.....	.....	.....	.....	.....	.....	3.92	+1.73	1.12	12	.....	12	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	43.3	−1.5	65	5	20	21†	3.33	+0.75	0.74	3	.....	9	4	17	9	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	42.8	−2.2	63	5†	19	29	3.45	+0.85	0.65	11	...	10	6	17	7	w.	University Exper. Station
Martinsburg	Berkeley	545	55	41.9	−1.3	63	5	21	21	3.15	+0.9	1.14	3	T.	8	5	8	17	nw.	Civil Aero. Administration
McNeill, 2 miles NE	Berkeley	800	13	42.4	+0.1	63	10	15	30	3.43	+1.8	1.34	4	T.	6	4	9	17	w.	R. E. Saville
Petersburg	Hardy	1,029	8	42.1	....	65	5	15	30	3.15	.....	1.73	4	T.	6	5	5	20	nw.	U. S. Weather Bureau
Piedmont	Grant	1,053	35	41.2	−1.0	59	4	18	30	4.25	+2.36	1.22	4	1.5	9	8	6	16	w.	C. A. Suter, Jr.
Romney	Mineral	824	46	42.8	−0.3	67	12	18	30	2.97	+1.19	1.16	3	T.	10	7	6	17	w.	Marion W. Haines
Spruce Knob	Hampshire	4,550	15	.....	.....	.....	.....	.....	.....	5.55	+3.17	1.42	4	6.5	16	....	.....	.....	.....	Moses R. Bennet
Stony River Dam	Pendleton	3,300	15	.....	.....	.....	.....	.....	.....	6.41	+3.46	2.10	4	2.7	12	2	6	22	w.	Fred Becker
Wardensville, 2½ mi. NE.	Grant	1,200	29	40.5	−3.4	62	4†	15	30	3.53	+1.90	1.96	4	T.	10	13	3	14	n.	Weymann Memorial Farm
Means and Extremes	Hardy	.....	....	**41.2**	....	**67**	**12**	**6**	**30**	**3.74**	.....	**2.10**	**4**	**1.2**	**10**	**7**	**8**	**15**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	2.72	−0.62	0.52	24	1.6	12	4	8	18	w.	L. Esie Bond
Benson	Harrison	1,080	22	42.8	−0.3	66	2	13	30	3.13	−0.36	0.68	24	4.0	13	5	12	13		R. D. Marts
Bens Run	Pleasants	652	46	42.5	−1.6	65	7	12	30	3.26	+0.37	1.21	3	0.5	11	16	5	9	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	38.0	....	59	11	10	30	4.45	.....	1.41	4	T.	10	.....	.....	.....		James I. Galloway
Brownsville‡	Lewis	1,032	23	43.0	−1.6	67	1	14	30	2.41	−1.26	0.49	24	1.5	8	5	7	18	n.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	41.1	−1.1	62	5†	15	30	3.04	−0.96	0.87	24	2.6	14	2	13	15	w.	Prof. Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	42.2	−1.5	65	7†	13	30	3.41	+0.53	1.13	3	.....	10	3	11	16	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	36.1	.....	56	5	10	30	4.47	.....	1.05	24	7.5	13	5	11	14	w.	George B. Thompson
Clarksburg	Harrison	1,015	24	41.0	−1.8	62	5†	16	30	2.67	−0.52	0.62	11	3.0	14	8	2	20	w.	Clarksburg Water Board
Creston	Wirt	640	46	42.2	−2.0	67	1	13	30	3.39	+0.61	1.00	4	T.	11	7	5	18	.....	Beatrice M. Folsome
Dam 10 Mon. R	Monongalia	826	25	42.2	.....	65	10	17	30	3.19	+0.04	0.87	4	T.	15	11	4	15	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	...	.....	.....	.....	.....	3.60	+1.22	0.81	24	0.4	14	....	..	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	..	.....	.....	.....	.....	2.98	−0.31	0.60	25	T	16	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	....	.....	.....	.....	.....	2.99	+0.35	0.82	4	.....	12	....	..	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	....	.....	.....	.....	.....	2.94	+0.31	0.75	4	0.4	12	.....	.....	....	....	Lockmaster
Elkins	Randolph	2,006	48	39.4	+0.1	61	5	10	30	3.00	+0.22	0.98	24	0.2	13	3	3	21	w.	C. S. Weather Bureau
Fairmont	Marion	1,023	55	41.6	−1.3	65	5†	18	30	2.63	−0.13	0.61	24	T	8	8	9	15	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	43.4	−0.9	65	5	18	30	3.45	+0.40	0.77	4	1.0	13	5	5	20	w.	Fred W. Wells
Grafton	Taylor	1,100	53	40.6	−2.5	62	5†	13	30	2.84	+0.41	0.49	11	1.6	13	7	4	19	w.	William D. Myers
Grantsville	Calhoun	730	2	42.8	.....	67	5	14	30	3.00	.....	0.57	3	T	11	9	4	17	..	Hope Natural Gas Co.
Harrison County Airport	Harrison	1,188	7	39.9	.....	63	10	12	30	2.72	.....	0.69	11	1.0	12	6	4	20	sw.	U. S Airway Station
Hastings	Wetzel	809	12	... ..	.....	.....	...	.....	.....	4.03	+1.17	0.92	11	0.5	17	5	5	20	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	...	.....	.....	....	.....	.....	2.85	−0.47	0.56	24	1.0	12	..	..	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	6	36.4	.....	57	5	3	30	4.51	.....	0.87	24	8.0	19	6	4	20	..	O. C. Hamilton
Mannington, 1½ mi. NW.	Marion	974	45	40.8	−1.2	67	10	9	30	3.34	+0.30	0.86	24	0.9	16	6	8	16	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	6	41.6	.....	65	10	12	30	2.99	.....	0.49	4	T.	11	9	1	20	w.	L. A. Crumrine
Morgantown	Monongalia	1,250	71	42.8	−1.0	65	10	18	30	3.12	+0.59	0.81	4	0.1	10	7	12	11	w.	Prof. L. M. Peairs
New Cumberland	Hancock	671	52	40.6	−1.0	60	1†	13	30	2.52	+0.20	0.75	4	T.	11	12	3	15	nw.	C. O. Valentine
New Martinsville	Wetzel	637	54	42.5	−2.3	65	10	15	30	4.15	+1.31	1.33	24	T.	10	8	6	16	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	43.0	−0.8	65	10	18	30	3.54	+0.97	1.24	4	0.4	12	5	5	20	nw.	Section Center
Parsons	Tucker	1,649	48	41.0	−0.2	62	10	15	30	3.25	+0.32	0.82	24	3.2	14	7	10	13	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	....	.....	.....	.....	.....	2.65	−0.28	0.59	25	2.5	16	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	23	.....	.....	.....	....	.....	.....	3.58	+0.21	0.80	3	0.1	10	6	5	19	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	40.4	.....	62	5	18	30	3.50	−0.05	0.93	12	1.0	12	8	1	21	ne.	W. H. Bolyard
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	3.99	+1.00	1.18	24	4.0	15	..	..	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	23	44.2	−0.8	65	10	14	30	3.16	−0.11	0.70	11	2.3	10	6	7	17	nw.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	40.4	−1.4	61	5†	10	30	2.54	−0.03	0.75	24	T	9	7	4	19	....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	2.99	−0.62	0.72	11	2.5	12	.....	.....	.....	.....	Scotland G. Highland
Weston	Lewis	1,026	56	.....	.....	.....	.....	.....	.....	2.96	+0.02	0.72	12	1.9	17	.....	.....	.....	.....	J. Arthur Henry
Wheeling (Dam 12)	Ohio	659	63	40.9	−1.3	64	5†	15	30	3.14	+0.71	0.88	24	0.6	.5	5	4	21	sw.	Lockmaster
Means and Extremes		.....	....	**41.4**	.....	**67**	**1†**	**3**	**30**	**3.15**	.....	**1.41**	**4**	**1.5**	**13**	**7**	**6**	**17**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	....	.....	.....	.....	.....	2.55	−0.53	0.70	3	3.5	12	6	7	17	w.	H. S. Sutton
Athens	Mercer	2,600	7	40.8	.....	62	5	20	27	1.92	.....	0.68	15	T.	10	12	6	12	.....	Concord College
Bluefield	Mercer	2,558	52	42.6	−2.3	61	5	24	28	2.23	+0.18	0.78	3	T.	14	10	5	15	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	43.6	.....	70	5	23	27†	1.82	...	0.58	3	T.	11	7	6	17	.....	Willard F. Russell
Charleston	Kanawha	615	60	41.6	−3.3	68	5	20	30	1.86	−1.21	0.52	11	T.	14	11	5	14	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	606	9	42.8	.....	65	7†	18	30	1.90	.....	0.48	11	T.	14	5	4	21	ne.	Civil Aero. Administration
Cranberry Glades	Pocahontas	3,400	3	31.7	.....	62	2	11	16†	3.11	.....	0.78	3	1.5	8	10	7	13	n.	Department of Justice
Flat Top	Mercer	3,270	9	36.7	.....	60	5	11	30	2.32	.....	0.54	15	T.	11	5	4	21	nw.	U. S. Airway Station
Gary	McDowell	1,426	30	43.4	−1.6	68	5	20	29	1.71	−0.99	0.56	15	T.	10	....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	42.8	.....	69	5	17	30	2.33	.....	0.68	3	T.	9	12	4	14	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	44.0	−0.1	68	5	22	29	1.89	−0.52	0.48	15	0	12	.	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	45.8	+1.5	69	10	20	30	2.77	+0.25	0.92	24	0.5	10	6	7	17	ne.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	.....	.....	.....	.....	.....	2.46	−0.69	0.71	15	0.1	8	..	.....	.....	.....	Truax-Traer Coal Co
Lewisburg	Greenbrier	2,100	51	41.6	−0.3	66	5	19	27	3.03	+0.55	1.48	3	1.5	12	7	4	19	.....	Prof. H. B. Graybill
Logan	Logan	700	34	45.8	−1.5	70	5†	24	27	2.26	−0.97	0.59	3	T.	13	*8*	4	*18*	.....	J. W. Ruff
London Locks	Kanawha	623	12	44.2	.....	68	5	23	27†	2.85	−0.08	0.69	11	0	14	.....	.....	.....	se.	Lockmaster
Madison	Boone	675	26	44.2	+0.7	69	5	22	27	2.28	−0.37	0.79	11	....	9	*11*	7	12	....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	40.0	....	63	6	18	27	4.22	.....	1.15	16	.....	15	*5*	2	23	.....	M. H. Martin
Pineville	Wyoming	1,350	5	41.6	....	69	5	17	29	1.58	....	0.52	8	T.	8	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	57	45.0	−0.3	65	1†	18	30	2.35	−0.48	0.73	11	T.	10	10	2	18	w.	E. C. Winger
Rainelle	Greenbrier	2,424	16	39.8	−0.5	61	5	15	29	3.54	+0.55	0.80	3	2.0	13	6	6	18	.. ..	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	44.2	−1.5	65	1†	17	30	2.64	−0.08	0.70	4	T.	10	7	4	19	nw.	Lockmaster
Richwood	Nicholas	2,193	16	...	.....	.....	.....	.....	.....	....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richwood Water Co.
Ripley	Jackson	610	5	43.2	...	68	6	14	30	2.89	.....	0.81	24	T.	10	....	.	..	..	R. B. Parsons
Spencer	Roane	789	48	42.2	−1.9	74	6	14	30	4.38	+1.71	0.79	4	T	10	..	.	..	.....	A. M. McKown
Summersville	Nicholas	1,900	11	38.8	.....	64	4	7	30	3.64	.....	0.62	2	T	12	..	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	44	43.8	−0.2	66	7†	17	30	3.65	+0.45	1.19	3	T.	8	.....	.....	.....	.....	C. R. Eakle
Union	Monroe	2,200	43	39.9	−2.5	67	5	17	13†	2.42	+0.08	0.70	3	0.5	12	9	3	18	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	43.4	.	64	5	20	27	3.15	.....	0.99	3	T.	10	3	5	22	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	41.2	−0.9	61	5	18	13†	3.39	+1.11	1.84	3	2.0	9	2	6	22	w.	Greenbrier Hotel
Williamson	Mingo	673	40	46.4	+0.8	72	5	24	29†	2.35	−0.47	0.61	3	.....	11	9	5	16	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	43.8	.....	66	5†	20	30	2.28	.....	0.64	24	T.	14	6	9	15	w.	Lockmaster
Means and Extremes		.....	....	**42.9**	...	**74**	**6†**	**7**	**30**	**2.62**	.....	**1.84**	**3**	**0.3**	**11**	**7**	**6**	**17**	w.	
State Averages and Extremes		.....	.....	**42.0**	**−1.3**	**74**	**6†**	**3**	**30**	**3.03**	**+0.27**	**2.10**	**4**	**1.0**	**11**	**7**	**6**	**17**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated.

Daily Precipitation for November 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac			1.65	.45	.08	.07	T.	.25			.48	.16			.58		T.					T.	T.	.90	.04	.06	T.	.20	T.			4.92
Brushy Run[2]	do.			.61	.96				.03			.11	.15			.32	.18								.04	.24	T.		T.				2.64
Franklin	do.			.60	1.06				.13			.07	.20			.18	.17									.24							2.65
Harpers Ferry[2]	do.	.03		.02	.84				.70	.20		.03	1.12			.07	.19							.29	.03	.40							3.92
Inwood	do.			.74	.67				.25			.55	.32			.27							.15	.05	.38							3.38
Kearneysville	do.			.44	.29	.02			.64			.65	.61			.18	.02						T.	.08	.52		T.					3.45
Knobly Mountain[2]†	do.			.10	1.70		T.		.15			.18	.25			.60	.20							T.	.20	.45							3.83
Martinsburg[4]	do.			1.14	.11	.02			.36			.75				.18	T.						.16		.43	T.	T.						3.15
McNeill[1]	do.			.67	1.34	T.	T.		.14			.37				.48									.43			T.					3.43
Petersburg	do.			1.70	.06	T.	T.	T.	.06			.37				.55									.41	T.	T.		T.				3.15
Piedmont	do.			.30	1.22	.12			.22			.35	.28			1.04							T.		.67	.05	T.			T.			4.25
Romney	do.			1.16	.03		.25		.16			.41				.46							.02		.43	.04	T.	.01					2.97
Springfield[3]	do.				1.38		.04		.14			.11	.42			.14	.20							.02	.02	.57							3.04
Spruce Knob[2]†	do.	.23	.27	1.08	1.42	.20	.34	.27	.36			.18	.47			T.			T.						.22	.34	.04	.03	.04	.06			5.55
Stoney River Dam[2]†	do.			.57	2.10	.50	.14	.14				.36	.37				.90								.23	1.03	.02		.65				6.41
Wardensville[2]	do.			.38	1.96		.02		.10			.09	.38			.10	.14								T.	.09	.27		T.				3.53
Northern Division																																	
Aberdeen†	West Fork	T.		.21	.18	.03	T.	T.	.51			.37	.31			.43		T.						.03	.52	.02	.03	T.	.08				2.72
Belington[2]	Tygart				.31	.03	.02		.29			.10	.62			.27	.04		.02					.03	.06	.71	.07		.08	.07			2.72
Benson†	West Fork			.45	.08	.05			.45			.64	.05			.43		.02					.06		.68		.10	.05	.07				3.13
Bens Run	Ohio			1.21	.09	.15			.27			.08				.49		.02					.01		.89	.03	.02		T.				3.26
Big Skin Creek	West Fork			.35	.25			.06	.01			.65	.51			.30									.77			.02	.12				3.04
Brandonville[2]	Cheat			T.	1.41	.12	.08		.42				.70			.54	.22	.10	T.				T.		.47	.39	T.	T.	T.	T.				4.45
Brownsville†	West Fork			.43					.19			.48	.23			.44								.03	.49		T.		.12				2.41
Buckhannon	Tygart			.17	.20	.02			.50			.58	.11	.01		.38		.02					T.	.05	.87	.01	.01	T.	.11				3.04
Cairo	Litl. Kanawha			1.13	.20	.08	T.	T.	.21		T.	.60	.03	T.	T.	.42							.03	T.	.70		T.		.01				3.41
Canaan Valley	Cheat	.04		.58	.71	.10	.04		.25			.40	.15			.66							T.	.04	1.05	T.	.05		.40				4.47
Clarksburg[2]	West Fork	T.		.17	.30	.05	T.		.35			.31	.31			.29	.09	T.	T.					.05	.05	.50	.10	T.	.03	.07			2.67
Crawford	do.			.49	.23	.03			.69			.60	.22			.27								.04	.62				.09				3.28
Creston[2]	Litl. Kauawha			.18	1.00	.03			.33	T.	T.	.35	.26			.48							T.	.06	.22	.45	T.	T.	T.	.03			3.39
Dailey[2]†	Tygart			.08	.12	.02	.04	T.	.29	T.		.15	.63			.11	.13		.01					.03	.02	.71	.04		.06	.04			2.48
Dam 10, Mon. R.[2]†	Monongahela			.09	.87	.04	.04		.43			.13	.44			.16	.18	.02					.02	.06	.04	.66	.01		T.	T.			3.19
Dam 13, O. R.[2]†	Ohio			.31	.66	.02	.26		.29			.38	.29			.22	.24							.08	.38	.43	T.	T.	.02	.02			3.60
Dam 15, Mon. R.[2]†	Monongahela			.16	.57	.08	.02		.36			.13	.46			.28	.17	.01	.03					.02	.05	.60	.02	T.	.02	T.			2.98
Dam 19, O. R.[2]†	Ohio			.11	.82	.02			.11			.37	.26			.36	.02	T.					T.	.04	.58	.29	T.	T.	.01	T.			2.99
Dam 20, O. R.[2]†	do.			.10	.75	.11	T.		.22			.37	.35			.36	.02	T.					T.	.03	.28	.31	.04	T.	T.				2.94
Elk†	West Fork								.50			.60				.46									.58				.10				
Elkins[1]†	Tygart	T.		.19	.09	.05	T.	T.	.38			.71	.07			.44		T.					.01	.01	.98	.01	.02	T.	.04				3.00
Fairmont[2]	Monongahela			.56	.14	.04	T.	.14	.21			.57				.36		T.					T.	T.	.61	T.	T.	T.				2.63
Glenville[2]	Litl. Kanawha	T.		.32	.74	.03			.38			.34	.33			.39	.10							.06	.20	.38	.02	T.		.16			3.45
Grafton	Tygart			.19	.30	.08			.47			.49	.22			.38		.03						.08	.43	.05	.04		.08				2.84
Grantsville	Litl. Kanawha	.03		.57	.56	.06			.28			.36	T.			.44								.10	.45	T.	.13	T.	.02				3.00
Hackers Creek†	West Fork			.41	.08	.03			.41			.20	.01			.51	T.							T.	.06	T.			.80				2.51
Hall[2]	Tygart			.06	.34	.03	T.	T.	.39			.21	.35			.32	.03		T.					.03	.10	.64	.04	T.	.05	.09			2.68
Harrison Co Arpt[1]	West Fork			.54	.05	.02	T.		.12			.69				.38		.02					.12	.02	.62	.06	T.	T.	.08				2.72
Hastings	Ohio			.60	.36	.18	.04		.35			.54	.38			.36	.03	.09	.03				.03	.07	.78	.05	.06		.08				4.03
Horner	West Fork			.50	.17							.60				.75		.27	.15					.10	.55				.15				3.24
Ireland	do.			.32	.31	.52	T.		.70	T.		.30	.46	.19		.20								.13	.04	.74							3.91
Jane Lew	do.			.33	.13	.07			.49			.49	.14			.46		.02						.03	.56	T.	.03	T.	.10	T.			2.85
Kumbrabow St.For.†	[2]Tygart	.02		.21	.25	.12	.01	.01	.41	.01		.78	.50			.77	T.	.01		.01				.08	.87	.01	.13	.10		.21			4.51
Mannington	Monongahela			.57	.27	.07	.01	.01	.32			.78	.18			.40		.03					.02	.06	.80	.02	.03		.07	T.			3.34
Middlebourne[2]	Middle Is. Crk.			.33	.49	.14	T.		.30			.37	.25			.33	.03							.07	.28	.40	T.			T.			2.99
Middlesale[2]†	Tygart			.05	.20	.10	.05	T.	.40	T.	T.	.14	.58			.21	.03							.05	.10	.65	.04	T.	.05	.05			2.70
Morgantown	Monongahela			.21	.81	.05			.42			.26	.21			.38		.02							.75	T.	.01	T.	T.	T.			3.12
Mt. Clare	West Fork			.22	.20	.06			.45			.60	.09			.45								.04	.43	.03			.04				2.61
New Cumberland	Ohio			.05	.70	.22	.03		.28			.34	.02			.28	.06						.09		.45	T.			T.	T.			2.52
New Martinsville	do.			.85	.21	.21			.28			.76				.40	T.	.02					T.	.05	1.33	.04	T.		T.				4 15
Parkersburg[1]†	do.			1.23	.07	.01		.07	.16			.69				.41		T.					.04	.01	.78	.03	T.	T.	.01				3.54
Parsons	Cheat			.10	.46	.09	.01	T.	.36			.40	.22			.46		.02						.01	.82	.02	.06	T.	.22				3.25
Philippi[2]	Tygart			.03	.31	.08	.04		.29	T.		.12	.54			.28	.09		.03					.06	.05	.59	.06	T.	.02	.06	T.		2.65
Roanoke	West Fork			.80	.20	.05			.65			.65	.16			.59								.07	.55			T.	.06				3.58
Rockford†	do.			.25	.21				.51			.52				.59		T.					T.	.02	.48	T.	.05		.12				2.75
Rowlesburg[2]	Cheat	T.			.53	.13	.09		.33	T.		.10	.83			.26	.34		T.					T.	.07	.69	.06	T.	.07	T.	T.		3.50
Salem	West Fork			.48	.27	.03			T.			1.10	.16			.46	T.						T.	.02	.75	.10	.05		.04				3.46
Sand Fork	Litl. Kanawha			.43	.27	.02			.73			.63	.17			.30		.02					T.	.04	.70	.03	T.		.11				3.45
Shinnston	West Fork			.50	.13	.02			.36			.46	.07			.20	.05	.02					.18	.06	.41	.02	.02	.02	.04				2.56
Thomas	Cheat		T.	.05	.65	.04	.05	.05	.34	T.		.15	.63			.24	.28		T.						T.	1.18	.14	.05	.05	.09			3.99
Upper Davisson Run	West Fork			.32	.17	.08			.42			.52	.14			.40		.02					.05		.74	.02	.09	.03	.10				3.10
Valley Chapel	do.			.37	.17	.02			.43			.47	.23			.51		T.							.67	.07			.22				3.16
Valley Head[2]	Tygart			.38	.25	.06	.05		.25	T.		.23	.53			.20	T.			.12					T.	.32	.08	T.	.05	.07			2.56
Vandalia†	West Fork																																
Wellsburg (near)	Ohio			.17	.58	.18	.04		.30			.05				.38		T.					.09	T.	.75				T.				2.54
West Milford	West Fork			.28	.18	.05			.40			.52	.20			.44								.08	.60	.09	.04		.11				2.99
Weston[2]	do.			.12	.38	.12	.02		.38	.02		.08	.64			.36	.14	.03						.08	.06	.34	.04	.03		.12			2.96
Wheeling (Dam 12)[2]	Ohio			.04	.61	.01	.27		.33			.23	.27			.17	.21	T.						.05	.36	.52	.02		.02	.03			3.14
Southern Division																																	
Arbovale	Greenbrier	T.		.70	.25	.04	.01		.28			.54				.07				.05	T.		.04	T.	.50	T.	.02	T.	.05				2.55
Athens	New		T.	.49	.01	T.	T.	T.	.10	T.		.35	T.			.68	T.		T.	.06	.01		.02	.02	.18				T.				1.92
Bluefield	do.		.08	.58	.20			.03	.10			.23	.05			.57			.04	.03	.09			.08	.12				.03				2.23
Bluestone Dam	do.			.41	.17	.03			.11			.30	.11			.48				.10	.02				.03	.06	T.		T.				1.82
Camden-on-Gauley[2]	Gauley			.10	.96	.15	.02		.34			.40	.54			.20	.02			.02	.02				.05	.25	.02	T.	.05	.10			3.24
Charleston	Gr. Kanawha			.32	.06	.02			.30			.33	.19			.18	.02							.02	.20	.17	.03	T.	.01	.01			1.86
Charleston Airport[4]	do.		.04	.29	.03			.14	.11			.48		.11		.13		T.						.04	.42	.03	T.	.02	.02				1.90
Coalwood	Big Sandy					.46			.46			.28	.10			.53			.04	.05	.03			.05	.05	.07	.01						2.13
Cranberry Glades	Cranberry	T.		.17	.78	.39						.67	.13	.28		T.	T.	T.						.50	.12	T.	T.	.02	T.	.05			3.11
Flat Top[4]	New		.13	.32	.11			.17	.28			.45			.19	.35			.10	T.			.04	T.	.18	T.			T.				2.32
Gary[2]	Big Sandy			.28	.11	T.			.32			.18	.11			.56	T.		.07	.03				.04	.01		T.						1.71
Hamlin	Mud			.68	.21				.36			.26	.11			.34								.05	.16	.16			T.				2.33
Hinton[2]	New			.39	.12	T.			.16			.23	.12			.48		.01		.13	.01				.08	.15	T.		.01				1.89
Hogsett	Ohio			.25	.21	.03			.20			.38	.13			.30	.01			T.			T.	.01	.20	.34	T.						2.06
Huntington	do.		.04	.70	.04				.19			.50				.30							.03	T.	.92	T.	.01		.04				2.77
Kayford[2]	Gr. Kanawha				.35		.30		.30	.10	.40					.30									.05	.25				T.			2.46
Lewisburg	Greenbrier			1.45	.03	.02		.02	T.	.08		.46	.03			.65		T.		.14			.02	.01	.12	T.	T.	T.	T.				3.03
Logan[2]	Guyandot			.59	.18	.04			.46			.32	.14			.20	T.			.03				T.	.11	.14	.01	T.	.03	.01			2.26
London Locks[2]†	Gr. Kanawha			.08	.48	.05			.62			.16	.53			.16	.02							.03	.04	.47	.05		.11	.05			2.85
Madison[2]	Coal			.40	.03	T.						.79	.11											.04	.23	.45			.18	.05			2.28
Oak Hill	New		.04	.10	.36	.24			.44			.27	.15			.48	1.15			.02				.10	.05	.45	.01			.06			4.22
Pineville[2]	Guyandot								.52			.20	.21			.42				.03				.03	.07	.10		T.	T.		T.		1.58
Point Pleasant[2]	Ohio			.22	.30	.05			.12			.48	.25			.42							.02		.33	.16	T.			T.			2.35
Princeton[2]	New			.32	.10	.02			.08			.12	.17			.63				.04	.03			.06		.06					T.		1.63
Rainelle	Greenbrier			.80	.10	.20		.01	.30			.53	.35			.53				.10			T.	.05	.43	T.	.05	T.	.09				3.54

Continued on next page.

Daily Precipitation for November 1947—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood[2]	Ohio			.10	.70	.05			.30			.36	.27			.30								.03	.18	.35	T.						2.64
Richwood[2]	Gauley																							.04	.8	.01			.02				2.89
Ripley	Ohio			.72	.10	.04			.26			.55				.34								.06	.46	.21	T.	T.					4.35
Spencer[2]	Litl.Kanawha			.75	.79	.72			.34			.42	.25			.38																	3.64
Summersville[2]	Gauley		.62	.48	.12			.30	.20		.49	.40			.32				T.	.06			.15	.40	T	T.	T.	.10					3.65
Sutton	Elk			1.09	.10				.68			.45	.30			.18								.70	T.	T.		.15					2.42
Union[2]	New			.70	.16	.12			.08			.42	.15			.48	T.			.01	.11			.09	.05	.05							2.56
Wayne[2]	Twelvepole			.80	.12	.01			.29			.35	.15			.24								.07	.20	.26			.07				3.15
Webster Springs	Elk			.99	.10		.05		.32			.55	.35			.18								.07	42				.09				3.39
White Sulp'r Spgs.	Greenbrier			1.84	.02	.07		T.				.45	.04			.63			T.	.18	T.		.02	.14									3.35
Williamson[2]	Big Sandy			.61	.15				.53			.29	.08			.30				.01				.02	.95	.24			.07				2.28
Winfield Locks[2†]	Gr Kanawha			.14	.24	.04			.36			.30	.20			.19	.01							.03	.14	.50	.01		.04	.05			2.28

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station: precipitation is for the 24-hour period midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. [4] Precipitation measured with recording gage. * Included in the next measurement T Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follow: Aberdeen, Buckhannon: Benson, Kinchloe; Big Skin Creek, Westou; Brownsville, Weston; Charleston Airport, Institute; Cranberry Glades, Mill Point: Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek: Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London: McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont[5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for November 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	50	49	54	51	62	56	53	52	48	59	57	51	49	45	43	54	48	33	39	42	47	55	51	60	37	36	36	40	48	42	....	48.5
	Minimum	40	41	44	47	41	42	39	31	31	35	45	32	23	26	31	36	31	23	29	34	32	34	45	36	26	24	20	30	24	23	..	33.2
Bayard	Maximum	45	46	49	50	56	52	52	45	41	56	55	43	46	47	41	46	44	36	43	49	43	45	50	51	36	30	33	34	36	37	....	44.8
	Minimum	36	34	40	45	43	40	34	29	28	26	42	29	20	17	30	33	27	27	27	21	16	26	40	33	24	21	15	25	20	6	....	28.4
Bluefield	Maximum	55	50	53	53	61	59	55	53	47	58	58	55	49	48	45	54	51	36	40	47	48	51	49	60	42	27	25	28	24	30	29	45.6
	Minimum	42	42	45	47	43	43	43	32	33	37	47	33	28	31	33	39	32	27	31	36	30	37	46	42	27	25	23	24	30	29	..	45.6
Brandonville	Maximum	52	50	54	56	56	52	45	44	48	56	59	43	46	43	45	45	35	37	46	51	48	51	52	51	33	27	34	37	36	35	..	45.6
	Minimum	44	37	44	47	46	41	35	34	29	25	40	30	25	15	24	34	30	29	30	27	19	30	35	38	26	23	18	25	19	10	..	30.4
Buckhannon	Maximum	57	56	58	56	62	56	60	57	48	62	60	52	48	51	52	52	42	28	51	53	57	58	55	57	38	32	35	38	40	30	....	50.4
	Minimum	43	34	48	50	48	40	31	32	32	24	47	32	20	19	38	42	32	28	29	21	25	31	43	26	29	26	19	28	21	15	..	31.8
Cairo	Maximum	61	60	53	57	62	59	65	60	50	65	57	57	49	51	50	52	46	42	54	55	50	56	54	56	42	35	36	45	42	38	....	52.0
	Minimum	40	42	34	51	49	50	31	33	27	27	42	30	22	21	32	42	34	25	29	28	24	34	40	40	32	29	23	28	25	22	12	32.5
Charleston (Airport)	Maximum	62	56	56	56	64	56	65	51	55	65	59	52	52	53	56	56	41	40	54	52	58	59	50	62	49	34	39	41	50	49	..	52.5
	Minimum	45	47	47	48	44	39	36	32	30	33	42	27	23	25	39	34	28	25	30	31	30	39	43	37	32	22	21	23	23	16	..	33.1
Clarksburg[3]	Maximum	58	57	57	55	62	54	61	47	48	62	60	47	48	48	51	49	38	40	50	5.	56	56	47	55	33	33	40	39	41	50	....	49.8
	Minimum	45	34	36	47	50	48	34	34	34	25	30	33	23	21	25	39	36	26	30	29	26	30	30	42	30	28	26	27	25	16	..	32.2
Cranberry Glades	Maximum	56	62	50	49	45	44	41	40	39	46	49	41	43	40	46	38	48	42	43	47	46	48	49	46	41	43	48	42	49	40	.	45.3
	Minimum	40	29	25	24	20	17	29	30	22	18	17	17	16	15	14	11	13	16	12	13	15	16	17	13	1	16	19	14	11	13	..	18.1
Elkins	Maximum	51	52	57	53	61	51	56	54	45	60	56	44	48	54	50	49	36	38	52	49	53	55	53	55	32	29	36	36	40	28	....	47.8
	Minimum	42	41	46	49	47	32	27	32	32	28	44	24	22	19	35	35	30	30	28	27	25	37	42	32	27	24	19	28	17	10	..	31.0
Fairmont[3]	Maximum	58	60	56	54	65	54	60	49	50	65	59	52	52	49	49	53	39	40	51	57	58	54	53	54	34	31	35	37	43	32	....	50.1
	Minimum	43	39	48	51	50	41	35	35	29	27	43	28	23	23	37	39	31	31	34	31	24	35	43	34	30	28	25	25	20	15	....	33.2
Flat Top	Maximum	44	45	50	47	60	55	48	40	44	54	52	42	47	44	38	49	36	30	34	45	43	49	49	56	32	25	36	36	43	27	....	43.4
	Minimum	44	45	50	47	60	55	48	40	44	54	52	42	47	44	38	49	36	30	34	45	43	49	49	56	32	25	36	36	43	27	....	43.4
Gary[3]	Maximum	39	38	43	39	39	36	37	29	27	35	35	28	28	29	28	36	21	21	27	32	31	30	41	26	22	19	18	25	27	11	....	30.0
	Minimum	60	55	58	55	68	61	59	48	53	64	64	50	52	53	54	57	40	39	50	54	58	59	59	65	42	36	44	45	52	35	..	52.0
Glenville	Maximum	38	39	49	51	44	45	36	33	31	32	35	37	23	24	32	43	35	29	34	37	36	36	42	47	32	29	33	29	20	23	..	34.8
	Minimum	63	60	54	59	65	60	62	60	50	61	61	54	50	52	53	54	45	41	54	55	56	59	52	57	40	34	38	41	43	32	.	52.5
Grafton	Maximum	42	35	48	52	50	50	34	35	35	28	49	35	23	23	38	43	35	26	30	28	25	26	43	40	31	29	23	32	21	16	....	34.4
	Maximum	55	57	58	53	62	56	60	57	46	62	60	51	48	50	49	50	42	40	51	52	56	56	56	56	40	31	34	38	41	30	....	49.9
Huntington	Minimum	43	34	47	48	49	43	31	33	26	23	30	30	20	18	35	38	32	28	35	26	22	29	40	39	25	28	23	29	22	13	....	31.1
	Maximum	67	67	56	57	67	59	64	62	55	69	62	53	50	52	57	56	58	40	53	54	58	54	52	58	42	38	40	42	48	37	....	54.1
Lewisburg	Minimum	49	48	48	53	51	48	39	36	35	35	49	34	27	29	39	41	39	30	33	36	31	40	41	42	31	30	24	32	29	20	....	37.3
	Maximum	52	50	55	54	66	55	58	54	51	57	53	50	54	50	44	57	47	34	41	49	47	50	56	61	40	36	33	43	52	38	....	49.6
Logan[3]	Minimum	42	43	45	49	41	44	49	38	29	31	44	35	21	26	32	34	33	21	30	32	31	32	45	38	27	26	19	28	22	22	.	33.1
	Maximum.	62	57	56	59	70	70	64	50	57	64	63	55	55	56	54	60	50	41	54	57	58	57	59	63	42	38	41	41	53	38	....	54.1
Madison[3]	Minimum	44	44	51	51	47	47	38	34	35	34	36	29	28	29	35	47	29	29	31	34	38	39	49	47	34	31	24	29	26	27	....	36.3
	Maximum	62	57	58	57	69	55	63	50	54	64	63	52	54	55	57	57	40	40	54	54	58	60	58	63	40	36	41	44	50	35	....	53.3
Mannington	Minimum	41	43	47	49	45	49	35	34	34	31	34	26	24	25	32	45	39	27	30	33	35	37	53	54	35	47	45	34	30	22	27	24	....	35.7
	Maximum	57	56	56	54	62	59	62	59	49	67	58	53	50	50	48	50	45	41	53	55	57	53	54	55	43	32	33	38	46	32	....	51.6
Martinsburg	Minimum	44	30	45	50	47	45	30	31	27	22	40	27	18	16	35	42	30	26	27	25	19	29	44	38	28	27	20	30	16	9	....	30.0
	Maximum	57	56	56	59	63	58	59	58	50	58	51	51	55	48	38	56	46	43	47	47	48	46	54	52	39	38	40	47	48	33	....	50.0
	Minimum	38	35	46	48	49	41	35	33	32	30	44	33	30	29	34	35	38	36	28	27	21	33	41	39	34	30	24	26	23	22	....	33.1
Middlebourne	Maximum	60	58	53	57	60	54	62	50	48	65	57	50	45	50	52	50	38	40	53	55	54	55	49	55	33	31	38	37	42	31	....	49.1
	Minimum	47	34	45	52	51	50	33	34	29	26	47	30	28	20	38	38	36	25	34	29	23	35	42	41	32	29	24	34	22	12	....	33.3
Morgantown	Maximum	55	55	58	53	59	55	61	48	50	65	59	54	52	47	49	52	44	41	52	52	54	55	55	49	44	38	32	38	40	30	....	49.1
	Minimum	44	39	48	51	50	52	39	34	34	30	49	33	29	23	37	42	33	33	33	32	25	37	41	42	34	30	28	30	25	18	....	35.5
New Martinsville	Maximum	59	57	54	56	63	56	62	59	50	65	57	51	49	49	50	51	44	41	53	55	51	55	52	53	40	33	35	38	41	30	....	50.2
	Minimum	45	53	47	51	50	49	39	33	30	26	47	29	25	22	37	41	35	29	33	30	27	35	40	39	30	28	23	30	24	15	....	34.1
Parkersburg	Maximum	62	56	53	59	63	54	63	49	50	65	58	52	45	47	52	52	42	41	51	53	54	55	51	53	35	32	30	26	27	26	18	36.6
	Minimum	48	43	48	52	51	45	41	34	35	33	42	34	31	27	39	41	32	29	34	35	33	42	38	35	32	30	28	38	45	47	34	50.1
Petersburg	Maximum	50	54	54	60	65	61	59	56	51	61	56	53	57	50	41	57	43	40	49	49	50	43	61	56	38	38	38	45	47	34	.	33.1
	Minimum	42	40	45	50	47	39	32	37	38	35	47	31	33	24	32	36	30	29	27	26	22	33	39	38	33	30	25	33	23	15	....	33.1
Point Pleasant	Maximum	65	63	57	57	63	61	63	63	52	65	63	55	50	50	53	54	53	43	51	52	56	56	52	53	42	42	38	41	41	38	....	53.1
	Minimum	48	44	48	53	51	51	39	35	35	35	47	33	28	27	39	41	38	27	33	33	31	43	41	42	32	28	25	34	28	18	....	37.7
Rainelle	Maximum	52	50	58	53	61	55	55	51	50	58	54	51	52	52	47	54	43	34	47	53	47	50	51	54	36	32	33	36	46	35	..	48.1
	Minimum	35	43	46	48	40	43	33	28	24	25	43	35	19	23	34	35	31	21	31	28	30	35	44	36	27	25	18	25	15	21	..	31.1
Spencer	Maximum	64	56	53	57	64	74	62	47	50	63	59	49	49	49	51	53	41	40	51	53	56	58	53	55	35	31	40	40	43	31	....	50.1
	Minimum	43	40	45	51	50	50	35	33	34	30	37	35	24	24	28	42	38	28	27	29	27	31	41	41	31	28	22	26	22	14	....	33.1
Summersville[3]	Maximum	54	61	61	64	58	58	48	60	61	61	61	47	53	52	47	35	37	52	51	54	54	57	45	38	28	36	39	43	29	50	....	49.4
	Minimum	39	42	47	39	43	28	29	28	24	40	30	15	19	27	38	31	20	22	19	19	31	42	40	26	22	15	25	12	16	7	....	27.4
Sutton	Maximum	64	60	59	59	64	64	66	66	50	62	62	55	54	55	55	54	54	42	53	56	58	59	59	50	44	35	41	41	42	43	....	54.1
	Minimum	40	35	48	50	46	47	35	35	33	28	49	37	21	22	37	40	34	34	29	28	33	33	44	42	32	29	19	18	20	17	....	33.3
Wardensville[3]	Maximum	53	55	53	62	62	58	57	54	50	61	49	49	55	49	51	56	41	40	46	47	48	49	59	54	37	37	40	41	43	33	....	49.1
	Minimum	41	39	37	47	43	42	30	31	31	27	35	38	21	22	25	32	39	35	32	28	33	32	32	37	23	19	22	26	21	15	....	31.1
Wheeling[3]	Maximum	59	58	52	55	64	53	61	48	46	64	56	49	46	45	49	46	43	42	49	49	53	55	48	52	33	32	37	41	41	28	....	48.4
	Minimum	48	36	40	46	47	48	40	34	34	29	30	30	30	30	24	25	38	35	34	34	33	27	28	40	39	32	29	24	24	26	15	33.1
White Sulphur Spgs.	Maximum	58	47	54	52	61	60	55	53	49	58	52	49	50	50	46	53	48	42	48	50	45	52	58	43	42	35	41	47	48	45	..	49.4
	Minimum	42	42	40	50	41	43	32	35	28	30	44	37	18	25	38	32	20	22	30	34	31	36	43	4	30	28	30	18	28	26	....	33.2
Williamson[3]	Maximum	61	57	57	60	72	65	66	55	59	65	64	56	57	54	58	62	42	39	58	62	60	56	59	66	45	41	45	46	56	41	....	56.1
	Minimum	41	45	51	51	46	42	37	34	35	34	36	33	29	29	35	47	39	28	31	33	37	39	48	48	35	32	26	29	24	24	..	36.1

[3] Instruments are read in the morning: the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LV DECEMBER 1947 No. 12

GENERAL SUMMARY

The average precipitation of 1.36 inches exceeded only the record lowest precipitation of 1.20 inches which occurred in 1925. All stations recorded minus departures. The driest part of the State was the northeastern panhandle division. It averaged only 33 percent of normal precipitation; the northern division averaged 51 percent and the southern division 36 percent. Snowfall was light for December in most places. The greatest amount of snowfall recorded for a 24-hour period was 9.0 inches at Bayard on the 26th. The greatest number of snow-lying days was 10, also at Bayard. Stream flow was low for December.

Temperature averaged 0.7° below normal. While nights were mostly cold, the daytime temperatures were high enough to make outdoor activities pleasant. Sunshine averaged about 30 percent above normal.

Crop conditions remained fairly good throughout the month in spite of alternate freezes and thaws which were deleterious to the roots of the winter grains and grasses. Frequent light rains and snows combined with daytime thaws made muddy fields, thus hindering the spreading of lime and manures. Trees and bushes were dormant throughout the month, but grasses became dormant only at the close.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 33.9°, or 0.7° below the normal. The mean for the northeastern panhandle division was 33.1°; for the northern division, 32.7°; and for the southern division, 35.4°. The highest monthly mean was 38.6° at Logan; and the lowest, 28.0° at Brandonville. The highest temperature was 73° at Williamson on the 5th; and the lowest, −4° at Mannington on the 29th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 102 stations, was 1.36 inches, or 1.87 inches below the normal. In the northeastern panhandle division, the average was 0.81 inch; in the northern division, 1.79 inches; and in the southern division, 1.20 inches. The greatest monthly precipitation was 2.82 inches at Brandonville, and the least, 0.20 inch at Omps. The greatest amount in any 24 consecutive hours was 1.23 inches at Kumbrabow State Forest on the 8th. The average monthly snowfall was 2.6 inches, or 3.9 inches below the normal. The greatest monthly snowfall was 14.0 inches at Bayard. The average number of days with 0.01 inch or more of precipitation was 7.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	..	2	2	1	..	1	..	1	2	1	1	3	..	1	2	1	1	1	6	4	7	....	2	..	....	....	1	2	4
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	..	10	2	..	8	3	1	..	..	..	..	..	3	6	..	1	..	1	..	..	..	..	..	4	3	3	..	..	..
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Sleet	..	..	..	2	2	..	..	..	..	16	4	1	..	..	20	6	..	..	..	..	..	4	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.44*	4*	29.33*	15*	9.5	29	w.	8	82	68	74	37	983
Elkins*	30.55	2	29.43	15	6.8	34	w.	16	82	82	94	43	1024
Huntington*	30.52	1	29.37	15	.....	23	w.	5†	85	60	76	....	915
Parkersburg	30.51	1	29.35	15	6.1	25	nw.	5	80	59	69	41	913
Petersburg, W.Va.	30.46	2	29.47	16	.....	29	.....	8	82	53	70	....	950
Pittsburgh, Pa*	30.48	4	29.35	15	10.8	35	sw.	5	75	62	67	32	1005

*Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR DECEMBER

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	40.9	75	6	2.59	3.79	2.99	3.27	.....	..	..	..	..
1892	34.1	72	−10	2.44	2.54	2.59	2.91	.....	8	..	..	..
1893	37.1	76	7	.60	2.40	1.54	2.05	.....	9	10	8	13
1894	36.3	80	−29	2.96	4.55	3.60	4.04	.....	9	11	7	13
1895	36.9	72	−6	2.89	3.03	2.76	2.87	7.1	9	8	9	14
1896	35.3	67	2	.92	2.05	1.55	1.68	.....	6	12	9	10
1897	37.3	72	−4	2.89	4.85	3.90	4.00	.....	13	6	9	16
1898	33.4	69	−12	2.86	2.69	2.48	2.66	7.0	10	12	8	11
1899	33.3	77	−17	1.81	3.15	2.89	2.81	3.9	10	11	8	12
1900	34.6	66	3	1.84	2.22	2.48	2.26	1.0	7	11	7	13
1901	32.3	75	−9	5.17	5.44	6.42	**5.84**	3.8	11	7	8	16
1902	33.9	70	−2	4.67	6.18	4.91	5.33	9.4	14	5	7	19
1903	26.5	59	−11	.93	2.50	1.75	2.00	7.8	8	12	8	11
1904	32.8	71	−20	2.82	3.20	3.10	3.12	9.8	10	8	7	16
1905	35.6	70	3	3.12	3.13	3.07	3.11	3.4	9	11	6	14
1906	35.9	70	−1	3.92	5.50	4.23	4.73	6.2	14	5	6	20
1907	35.5	70	−2	3.60	3.54	3.09	3.36	5.2	12	9	8	14
1908	36.4	73	5	1.75	3.02	3.50	3.03	6.0	10	9	8	14
1909	28.8	78	−10	2.40	2.85	2.35	2.55	10.9	10	9	8	14
1910	28.4	72	−8	1.78	2.98	2.88	2.72	14.6	12	7	7	17
1911	39.3	74	4	3.02	3.61	3.19	3.27	1.6	12	9	5	17
1912	35.8	76	−6	2.71	3.12	2.89	2.88	7.1	10	12	7	12
1913	36.4	68	3	2.58	3.06	2.64	2.82	2.9	8	9	8	14
1914	30.3	70	−20	3.91	5.94	5.30	5.46	12.5	16	7	4	20
1915	32.8	68	0	2.97	4.82	4.28	4.35	7.6	11	5	7	19
1916	32.8	77	−18	1.96	3.54	3.61	3.33	10.6	10	13	7	11
1917	**24.3**	67	**−37**	1.07	1.40	1.74	1.51	11.8	8	11	6	14
1918	41.0	74	0	3.81	4.84	4.17	4.41	3.2	12	8	6	17
1919	30.4	72	−15	2.03	4.29	4.54	4.07	7.8	9	10	6	15
1920	35.6	70	0	1.95	2.90	2.41	2.55	3.7	10	6	7	18
1921	37.0	79	0	2.40	4.51	4.52	4.25	7.5	11	7	7	17
1922	36.6	75	2	3.20	4.25	5.67	4.71	3.6	11	10	5	16
1923	**43.1**	78	0	3.20	6.55	5.66	5.82	2.4	14	11	5	15
1924	33.1	**83**	−8	1.45	2.51	3.15	2.58	1.7	10	10	6	15
1925	32.5	75	−8	1.45	1.13	1.23	**1.20**	2.7	7	10	6	15
1926	33.9	72	−14	3.76	4.88	5.55	5.10	2.5	15	6	4	21
1927	34.4	78	−6	2.22	4.22	3.50	3.72	3.8	12	9	5	17
1928	35.4	70	1	1.64	2.33	1.79	2.08	.9	7	13	5	13
1929	36.6	73	−13	1.98	2.79	2.27	2.51	12.2	12	9	5	17
1930	30.9	66	−14	2.74	2.97	2.57	2.81	8.6	12	7	5	19
1931	42.0	75	8	2.47	4.27	3.84	3.91	.3	13	8	4	19
1932	36.0	82	−12	1.72	3.04	2.93	2.83	6.9	12	9	6	16
1933	38.7	78	−5	2.17	4.45	4.30	4.10	5.3	12	9	7	15
1934	33.5	78	−8	2.39	2.24	2.02	2.20	4.9	10	9	6	16
1935	27.5	62	−20	2.58	3.98	3.60	3.66	20.5	17	4	5	22
1936	37.2	70	−8	3.93	4.17	3.85	4.02	4.5	11	11	6	14
1937	32.2	66	−9	1.50	3.14	2.39	2.66	7.4	13	8	5	18
1938	34.7	69	−5	2.60	1.58	1.87	1.81	2.1	9	10	7	14
1939	36.6	75	−4	1.68	2.75	2.35	2.46	7.0	11	9	7	15
1940	40.4	72	−11	2.00	2.72	1.87	2.31	.8	12	8	7	16
1941	39.3	74	2	2.38	2.08	2.40	2.24	1.0	9	7	9	15
1942	31.6	75	−21	3.58	5.80	5.76	5.42	13.2	15	4	8	19
1943	32.1	66	−15	1.20	1.92	2.30	1.96	3.4	8	10	7	14
1944	29.4	63	−15	3.11	5.50	4.15	4.63	23.2	13	6	6	19
1945	28.9	62	−10	2.19	2.65	2.64	2.57	11.3	13	6	7	18
1946	38.2	77	−6	1.89	2.94	2.22	2.44	3.9	9	10	8	13
1947	33.9	73	−4	0.81	1.79	1.20	1.36	2.6	7	11	7	13
Period	34.6	83	−37	2.45	3.48	3.20	3.23	6.5	11	9	7	15

Climatological Data for December 1947

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	44	28.8	+0.7	58	5	−2	25	1.91	−1.93	0.49	8	14.0	11	9	10	12	w.	Howard R. Fulk
Franklin	Pendleton	1,750	9	.....	.....	.....	.....	.....	.....	0.73	.....	0.45	16	1.0	5	.....	.....	.....	.....	Dick B. Murphy
Harpers Ferry	Jefferson	400	58	.....	....	.....	.....	.....	.....	0.84	−1.77	0.30	16	1.2	6	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	14	32.4	−2.0	65	3	10	25	0.63	.....	0.15	7	0	7	10	11	10	w.	H. W. Prettyman
Kearneysville	Jefferson	548	17	33.6	−1.7	61	3†	11	25	0.65	−1.76	0.31	16	0	7	12	10	9	nw.	University Exper. Station
Martinsburg	Berkeley	545	55	32.6	−1.4	61	3†	12	1†	0.74	−1.98	0.29	15	0.6	6	6	10	15	nw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	13	33.3	+0.7	65	5	6	1†	0.44	−1.62	0.28	15	T	3	11	9	11	w.	R. E. Saville
Petersburg	Grant	1,029	8	34.2	....	66	5	10	1	0.72	.....	0.35	15	T.	5	10	6	15	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	33	33.0	0.0	62	5	11	25	0.74	−1.67	0.20	16	1.2	7	14	5	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	46	33.8	−0.7	68	4	9	1†	0.81	−1.44	0.17	16	T.	11	8	*11*	12	.....	Marion W. Haines
Spruce Knob	Pendleton	4,550	15	.....	.....	.....	.....	.....	.....	0.87	−1.52	0.39	8	3.0	5	....			....	Moses R. Bennet
Stony River Dam	Grant	3,300	15	.....	.....	.....	.....	.....	.....	1.82	−1.42	0.75	7	7.5	7	5	8	18	w.	Fred Becker
Wardensville, 2½ mi. NE	Hardy	1,200	29	32.2	−1.5	65	3	9	1†	0.58	−1.16	0.32	15	T.	4	.....			n.	Reymann Memorial Farm
Means and Extremes	.....	.....	....	**33.1**	.....	**68**	**5**	**−2**	**25**	**0.81**	.....	**0.75**	**8**	**1.9**	**6**	**10**	**8**	**13**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	23	.....	.....	.....	.....	.....	.....	1.63	−1.37	0.58	8	4.6	10	8	9	14	w.	L. Esle Bond
Benson	Harrison	1,080	22	34.0	−2.2	63	6	5	29	2.62	−0.87	0.60	9	7.0	14	11	10	10	.. ..	R. D. Marts
Bens Run	Pleasants	652	46	34.2	−0.6	59	5	11	29	1.51	−2.05	0.50	15	3.8	10	13	9	9	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	6	28.0	.....	56	5	4	1†	2.82	.....	0.86	8	10.7	9	...	...	...	.....	James I. Galloway
Brownsville‡	Lewis	1,032	23	34.7	−1.9	62	2	6	29	1.53	−1.79	0.55	8	3.5	10	13	6	12	sw.	M. D. Hawkins
Buckhannon	Upshur	1,459	56	33.0	−1.2	61	5	1	29	1.62	−2.56	0.69	8	7.3	13	6	16	9	w.	Prof. Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	41	33.4	−1.3	66	22	8	29	1.43	−2.02	0.48	15	1.3	9	11	11	9	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	3	29.2	.....	54	3†	1	25	2.10	.....	0.60	8	5.5	8	11	9	11	w.	George B. Thompson
Clarksburg	Harrison	1,015	24	31.4	−3.8	62	5	5	29†	1.59	−1.49	0.48	16	6.5	9	12	4	15	w.	Clarksburg Water Board
Creston	Wirt	640	46	33.8	−1.5	62	3	10	1†	1.70	−1.77	0.58	15	3.0	11	8	3	20	....	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	25	32.8	....	60	3	12	29†	1.98	−1.44	1.00	8	3.5	12	9	3	*19*	sw.	Lockmaster
Dam 13 O. R	Marshall	655	31	.....	.....	.....	.....	.....	.....	1.74	−1.24	0.80	16	2.6	10	...	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	25	.....	.....	.....	.....	.....	.....	1.79	−1.34	0.82	8	3.5	9	.....	.....	.....	....	Lockmaster
Dam 19 O. R	Wood	600	30	.....	.....	.....	.....	.....	....	1.71	−1.42	0.81	16	3.1	8	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	30	.....	.....	.....	.....	.....	.....	2.12	−1.02	0.82	16	3.5	7	..	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	48	32.0	+0.3	60	5	7	29	1.55	−1.91	0.70	8	4.1	12	7	4	20	w.	U. S. Weather Bureau
Fairmont	Marion	1,023	55	33.7	−0.3	62	5	5	29	1.22	−2.27	0.44	15	5.0	6	7	15	9	sw.	Monongahela Power Co.
Glenville	Gilmer	738	59	34.6	−1.3	66	5	9	29	1.45	−2.48	0.55	8	2.5	8	8	5	18	w.	Fred W. Wells
Grafton	Taylor	1,100	53	32.1	−2.1	62	5	1	29	1.32	−1.76	0.33	8	5.3	10	11	5	15	sw.	William D. Myers
Grantsville	Calhoun	730	2	33.4	.....	64	3†	12	1†	1.49	.. ..	0.53	15	0.5	7	12	2	17	.....	Hope Natural Gas Co.
Harrison County Airport	Harrison	1,188	7	31.5	.....	61	5	4	29	1.54	.....	0.39	8	5.0	9	8	5	18	w.	U. S Airway Station
Hastings	Wetzel	809	12	.....	.....	.....	..	....	.....	2.47	−1.15	0.80	8	6.0	13	4	11	16	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	23	.....	...	.....	.....	.....	.....	1.51	−1.57	0.52	8	2.9	11	....	..	.....	.....	Reta Goldsmith
Knobrabow State Forest	Randolph	3,000	6	29.6	....	58	5	−1	1	2.70	....	1.23	8	9.0	10	16	2	13	.....	O. C. Hamilton
Mannington, 1½ mi. NW.	Marion	974	45	31.1	−2.5	61	5	−4	29	2.36	−1.21	0.89	8	5.0	14	8	8	15	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	6	33.2	...	60	5	5	29	1.12	.....	0.38	8	3.0	7	11	4	16	w.	L. A. Crumrine
Morgantown	Monongalia	1,250	71	34.4	0.0	59	3†	12	25	2.18	−0.92	0.72	8	4.0	8	10	4	*17*	....	Prof. L. M. Peairs
New Cumberland	Hancock	671	52	31.9	+0.2	60	3	8	29	1.80	−0.96	0.51	16	4.0	12	11	3	17	nw.	C. O. Valentine
New Martinsville	Wetzel	637	53	33.2	−2.1	60	3	8	29	1.77	−1.79	0.66	16	5.5	8	11	6	14	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	62	35.5	+0.3	61	3	14	25	1.82	−1.21	0.76	16	2.5	10	8	6	17	sw.	Section Center
Parsons	Tucker	1,649	48	32.4	+0.1	60	5	7	1	1.76	−2.29	0.64	8	7.5	11	13	5	13	nw.	D. A. Oliver
Philippi	Barbour	1,300	53	.....	.....	.....	.....	.....	.....	1.61	−2.16	0.42	8	7.0	11	.....	.....	..	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	23	.....	.....	.....	.....	.....	..	1.28	−2.09	0.49	9	1.1	9	12	5	14	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	62	31.6	.....	62	5	9	1†	2.55	−1.83	0.62	8	8.5	10	..	..	....	nw.	W. H. Bolyard
Thomas	Tucker	2,950	18	.....	.....	.....	.....	.....	.....	2.61	−1.24	0.85	8	7.0	10	.....	.....	.....	....	W. Sleeman
Valley Chapel	Lewis	1,011	23	36.6	−0.9	65	5	7	29	1.82	−1.40	0.58	8	4.0	9	9	7	15	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	54	32.1	−0.3	59	3	7	25	1.44	−1.47	0.67	15	4.0	8	7	8	16	.....	George P. Pfister
West Milford‡	Harrison	979	21	.....	.....	.....	.....	.....	.....	2.11	−0.97	0.60	8	6.2	10	.....	.....	.....	....	Scotland G. Highland
Wheeling (Dam 12)	Ohio	659	63	32.0	−0.6	58	3	9	29†	1.47	−1.51	0.83	16	3.5	9	6	7	18	sw.	Lockmaster
Means and Extremes	.....	.....	....	**32.7**	.....	**66**	**5†**	**−4**	**29**	**1.79**	....	**1.23**	**8**	**4.7**	**10**	**10**	**6**	**15**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	24	.....	.....	.....	.....	.....	.....	1.07	−2.09	0.38	7	T.	5	15	3	13	sw.	H. S. Sutton
Athens	Mercer	2,600	7	35.7	.....	60	3†	9	1	0.76	.....	0.31	16	0	6	22	4	5	.....	Concord College
Bluefield	Mercer	2,558	52	37.5	+0.6	61	5	15	1	0.87	−2.01	0.55	15	T.	3	.....	.....	.....	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	5	35.0	.....	66	5	14	1	1.02	.....	0.45	10	0.2	5	18	3	10	....	Willard F. Russell
Charleston	Kanawha	615	60	36.0	−3.6	63	5†	14	1	0.76	−2.88	0.49	15	0.2	5	16	4	11	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	§950	0	36.6	....	66	5	14	1	1.02	.....	0.51	15	T.	7	10	4	17	sw.	Civil Aero. Administration
Coalwood	McDowell	1,450	5	37.8	.....	66	30	13	1	1.36	.....	0.45	15	0	6	16	6	9	e.	W. A. McNees
Cranberry Glades	Pocahontas	3,400	3	28.3	.....	59	31	2	1	0.83	....	0.41	9	3.0	4	21	5	5	e.	Department of Justice
Flat Top	Mercer	3,270	9	32.8	.....	58	30	10	1	1.45	.....	0.44	10	0.2	6	11	9	11	nw.	U. S. Airway Station
Gary	McDowell	1,426	30	36.7	−1.1	66	5	13	1†	1.23	−2.14	0.48	16	0	6	....	..	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	4	*54.6*	.....	70	5	10	1	.....	.....	.....	.....	.....	.....	14	4	13	....	W. Va. Water Service Co.
Hinton	Summers	1,431	58	36.4	+0.6	69	5	15	1†	1.23	−1.95	0.45	11	T.	5	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	51	37.5	+1.9	63	30	15	1	1.05	−2.32	0.48	15	T.	7	9	8	14	nw.	H. N. Robinson
Kayford	Kanawha	1,335	30	.....	..	.....	.....	.....	.....	1.08	−2.83	0.45	11	0.3	7	.....	.....	.....	...	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	51	34.0	+0.8	65	5	10	1	1.53	−1.58	0.76	10	0.8	7	21	3	7	.....	Prof. H. B. Graybill
Logan	Logan	700	34	38.6	−0.5	70	5	17	1†	1.19	−2.91	0.44	8	T.	5	....	..	.....	.....	J. W. Ruff
London Locks	Kanawha	623	12	36.0	.....	69	5	15	1†	1.21	−2.00	0.50	8	T	8	...	.....	.....	w.	Lockmaster
Madison	Boone	675	26	*54.9*	−0.1	68	5	10	19	0.94	−1.96	0.47	8	0	3	6	12	13	....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	5	34.6	..	65	5	12	1	1.10	.....	0.37	16	0.5	4	....	..	.....	.....	M. H. Martin
Pineville	Wyoming	1,350	5	33.6	.....	68	5	9	2	1.32	....	0.48	10	T.	4	10	2	19	....	Walter C. Byrd
Point Pleasant	Mason	595	57	36.4	+0.6	61	3†	15	1	1.62	−1.88	0.75	15	0.3	6	11	7	13	w.	E. C. Winger
Rainelle	Greenbrier	2,424	16	33.3	+0.1	63	5	8	1	1.60	−1.93	0.47	8	2.2	9	15	3	13	....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	32	35.4	−2.5	62	5	12	1†	1.67	−1.65	0.67	16	.....	9	13	5	13	sw.	Lockmaster
Richwood	Nicholas	2,193	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Richwood Water Co.
Ripley	Jackson	610	5	34.1	....	61	31	11	1	1.64	.....	0.44	15	1.8	10	...	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	48	33.2	−3.3	65	5	11	1	1.82	1.59	0.70	16	1.2	8	6	15	10	.....	A. M. McKown
Summersville	Nicholas	1,900	11	32.6	.....	65	4	7	28	1.28	.....	0.68	7	0	4	...	.....	.....	....	A. E. Dorsey
Sutton	Braxton	850	44	35.2	0.0	65	30†	10	1	0.74	−3.08	0.19	8	1.0	6	20	8	3	.....	C. B. Eakle
Union	Monroe	2,200	43	32.2	−1.8	62	3†	8	1	1.04	−1.88	0.58	10	..	4	13	1	17	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	15	36.0	.....	65	6	10	1	1.06	.....	0.50	7	0.5	5	14	2	15	e.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	33	33.6	+0.5	64	6	7	1	1.27	−1.83	0.72	10	0.5	6	13	7	11	w.	Greenbrier Hotel
Williamson	Mingo	673	46	*38.4*	+0.8	73	5	16	1†	1.25	−2.53	0.46	10	T.	5	17	7	7	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	9	35.0	.	64	5	16	1†	1.03	....	0.55	16	T.	7	8	8	15	w.	Lockmaster
Means and Extremes	.....	.....	...	**35.4**	....	**73**	**5**	**2**	**1**	**1.20**	.....	**0.76**	**10**	**0.5**	**6**	**14**	**6**	**11**	w.	
State Averages and Extremes	.....	.....	..	**33.9**	**−0.7**	**73**	**5**	**−4**	**29**	**1.36**	**−1.87**	**1.23**	**8**	**2.6**	**7**	**11**	**7**	**13**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, ª one day, ᵇ two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated. § New location; moved from Institute to Kanawha County Airport November 29, 1947.

Daily Precipitation for December 1947

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac				T.	.23	T.	.08	.49	T.	.15	.06		T.	T.	.20	.23							.10	T.		.20	.15	.02			T.	1.91
Brushy Run[2]	do.					.23			.12			.08					.48										.03	T.					0.94
Franklin	do.					.10			.02			.08					.45										.08	T.					0.73
Harpers Ferry[2]	do.					.05			.12	.15	T.						.30								.02		.20						0.84
Inwood	do.					.10		.15			.10	.03				.05	.10										.10						0.63
Kearneysville	do.					.05		T.	.14		.10	.04				.06	.25							.01									0.65
Kuobly Mountain[2]†	do.					.15			.15	T.		.10	T.	T.			.30								T.			T.	T.				0.70
Martinsburg[4]	do.					.08		.17	.04		.18					.29	T.							T.		T.	.02						0.78
McNeill†	do.							.08	.08		T.					.28								T.			T.						0.44
Petersburg	do.				T.	.17		.08	.01		.11					.35	T.							T.			T.	T.					0.72
Piedmont	do.					.12			.12		T.	.07				.15	.20							.05	T.		.03						0.74
Romney	do.				.09	.09		.09	.08		.05	.06				.14	.17	.01						.02			T.					.01	0.81
Springfield[2]	do.					.09	T.		.10	03		.04					.26								.02								0.54
Spruce Knob[2]†	do.					T.			.22	.17		T.					.37	T.							T.		.07	.04					0.87
Stoney River Dam[2]†	do.								.75			.26					.37								.07		.13	.20	.04				1.82
Wardensville[2]	do.					.10			.10			.06					.32										T.						0.58
Northern Division																																	
Aberdeen†	West Fork				.04		.03	.02	.58		.05	T.		T.		.24	.21							.23			.15	.08					1.63
Belington[2]	Tygart				.03	.11	.02		.54	.09		.17					.30							T.	.15		.05	.09					1.55
Benson†	West Fork				.12	.15	.13	.15	.50	.60	.05	.04				.15	.30							.21			.12	.04	.06				2.62
Bens Run	Ohio				.09	.06		.13	.30		.02					.50	.14							.19			.07	.01					1.51
Big Skin Creek	West Fork				.11	.09		*	.75																.22	.18	.25				T.		§§
Brandonville[2]	Cheat				.09	.16	.08		.86			.20					.69							.20			.25	.29					2.82
Brownsville†	West Fork				.06	.06		.11	.55		.04	.06				.18	.22							.18			.07						1.53
Buckhannon	Tygart				.05	.05	.01	.18	.51		.18	.02		T.		.23	.13							.17	.01		.05	.03					1.62
Cairo	Litl. Kanawha				.10	.15		.13	.37	T.	.03	T.				.48	.05							.04			.08						1.43
Canaan Valley	Cheat					.29		.05	.60		.20					.27	.19							.20			.30						2.10
Clarksburg[2]	West Fork				.08	.17				.45		.05					.48	T.						.12	.06		.10	.08					1.59
Crawford	do.				.05	.17	.01	.11	.57		.16					.22								.13		.07	T.						1.49
Creston[2]	Litl. Kauawha				.05	.12			.55	.03	T.	.08	T.				.58	.03					.05	.03	.08		.10	T.					1.70
Dailey[2]†	Tygart				T.	.12	T.	T.	.65	.03		.11	T.		T.		.22	T.						T.	.09		.08	.05	T.				1.35
Dam 10, Mou. R.[2]†	Monongahela				.04	.09	.02		.92	.08		.07	T.				.41	.01						.03	.16		.05	.10					1.98
Dam 13, O. R.[2]†	Ohio				.04	.14	.02		.43			.02	T.				.80							.07	.10		.08	.04					1.74
Dam 15, Mon. R.[2]†	Monongahela				.05	.14	T.		.56	.26		.06	T.				.43							T.	.14		.06	.09					1.79
Dam 19, O. R.[2]†	Ohio				.14	.17	T.		.36			.02					.81							.13	.07		.01					T.	1.71
Dam 20, O. R.[2]†	do.				.15	.20	T.		.70		T.	T.					.82							.15	.08		.02	T.				T.	2.12
Elk†	West Fork				.18		.25		.58								.16							.15			.12						1.44
Elkins[1]†	Tygart				.01	.16	.01	.37	.33		.12	.01	T.	T.	T.	.21	.09							.06			.17	.01	T.			T.	1.55
Fairmont[2]	Monongahela				T.	.20	T.	.03	.07		T.					.44								.18			.30					T.	1.22
Gleuville[2]	Litl. Kanawha				.07	.09			.53	.02		.07					.43	T.						T.	.18		.06	T.					1.45
Grafton	Tygart				.05	.11	T.	.09	.33		.09	T.				.24	.09							.20			.11	.01					1.32
Grantsville	Litl. Kanawha				.05	.12			.08	.51		.07					.53							.13	T.								1.49
Hackers Creek†	West Fork								.45		.28					.42	.01							.15			.10	.04					1.45
Hall[2]	Tygart				.05	.08	.02		.53	.07		.19					.26	T.						.01	.18		.08	.07					1.54
Harrison Co. Arpt[4]	West Fork				.06	.09	T.	.21	.39	T.	.12	T.		T.		.34	.02							.09	T.	T.	.22	T.	T.				1.54
Hastings	Ohio				.15	.10		.10	.80		.02	.02			.04	.15	.55							.24			.25	.04	.01				2.47
Horner	West Fork																																
Ireland	do.										T.					.32	.14	.09						.09	.10							.10	0.84
Jane Lew	do.				.07	.05		.09	.52		.05	.04				.21	.16							.18			.09	.05					1.51
Kumbrabow St.For.†	Tygart				T.	.30		.11	1.23		.27					.25	.20	.02						.05			.20	.07					2.70
Mannington	Monongahela				.09	.10	.01	.11	.89		.05	.02		T.		.29	.32		.01					.20			.18	.08				.01	2.36
Middlebourne[2]	Middle Is. Crk.				.08	.08			.38			.03	T.				.36							T.	.13		.06	T.					1.12
Middlesale[2]†	Tygart				.05	.18			.61	.05		.20					.25	.06						T.	.15		.10	.08					1.73
Morgantown	Monongahela				T.		T.	.25	.72		.09	T.		T.	.22	T.	.25							.20			.30	.15					2.18
Mt. Clare	West Fork				.08			.19	.35	.07						.27								.33			.06	.08				.03	1.46
New Cumberland	Ohio	.01	T.		.06	.08	.06	.22	.06		.03			T.		.40	.51						.03	.06			.28						1.80
New Martinsville	do.				.08	.08		.17	.46		T.	T.				.58	.08							.15			.17	T.				T.	1.77
Parkersburg[1]†	do.				.14	.18	T.	.22	.28		.02	T.				.75	.01							.18		.01	.03	T.					1.82
Parsons	Cheat				.02	.13	T.	.04	.64		.22	.07				.18	.14							.13			.13	.06	T.				1.76
Philippi[2]	Tygart				.06	.07	T.		.42	.11	T.	.13	T.		T.		.31	.05						.05	.17		.09	.15		T.			1.61
Roanoke	West Fork					T.	.02		.05	.44	.13	.02				.20	.20							.17			.05						1.28
Rockford†	do.				.10	.09		.19	.39		.12	.02				.35	.10							.20			.03	.04				T.	1.63
Rowlesburg[2]	Cheat				T.	.23	.15		.53	.09		.23	T.				.45							.02	.15		.10	.60	T.	T.			2.55
Salem	West Fork					.09		.10	.50	T.	T.					.31	.22							.20			.21	.03					1.66
Sand Fork	Litl. Kanawha				.06	.13		.09	.60		.20	.02		T.		.27	.19							.16			.90	.02					2.64
Shinnston	West Fork				.07	.13		.02		.62	.20	.10				.33								.11			.21	T.					1.79
Thomas[2]	Cheat	.04			T.	.15	.05		.85	.15		.38					.39							T.	.16		.09	.35					2.61
Upper Davisson Run	West Fork				.07	.18		.13	.40		.06	.01				.25	.22							.19			.06	.05					1.61
Valley Chapel	do.					.10		.04	.58		.04					.26	.25							.22			.30	.03					1.82
Valley Head[2]	Tygart					.18	T.	T.	.75	.08		.02	T.				.40	T.							.04		.12	.14	T.	T.			1.73
Vandalia†	West Fork					.07										.30								.16			.10	.08					§§
Wellsburg (near)	Ohio				T.	.08	.06	.23	.07			T.				.06	.61							T.			.17	.16					1.44
West Milford	West Fork				.10	.20		.05	.55			.15				.20	.25							.25			.27	.09					2.11
Weston[2]	do.				.04	.18			.48	.18		.14					.38						T.	.22			.10	.14					1.86
Wheeling (Dam 12)[2]	Ohio				.03	.07	.01		.37			T.	T.				.83							.06	.03		.02	.05					1.47
Southern Division																																	
Arbovale	Greenbrier					.22	T.	.38	.03		.10		T.			.34	T.							T.	T.		T.	T.					1.07
Athens	New					.05			.07		.24	.02				.07	.31																	0.76
Bluefield	do.								.16			.16				.55											T.						0.87
Bluestone Dam	do.					.10			.14		T.	.45					.32										.01						1.02
Camden-on-Gauley[2]	Gauley					.12			.54	.03	.25						.25	.02									.13	T.					1.34
Charleston	Gr. Kanawha					.03			.16			.07					.49							.01			T.	T.					0.76
Charleston Airport	do.				T.	.04	T.	.12	.13		.15	T.				.51	.05							.02		T.	T.	T.					1.02
Coalwood	Big Sandy					.07			.42		.38	.04				.43	.02							T.									1.36
Cranberry Glades	Cranberry									.41	.12													.15			.15						0.83
Flat Top[4]	New				T.	.19		.19	.23		.44					.38	T.									T.	T.					.02	1.45
Gary[2]	Big Sandy					.09			.26	.10	.01	.29					.48																1.23
Hamlin	Mud								.26								.63										T.						§§
Hinton[2]	New					.15			.23		T.	.45					.37										.03						1.28
Hogsett	Ohio					.08			.40	T.		.10					.65							.09	.02		.05						1.39
Huntington	do.					.02		.15	.19		.09					.48	.11							.01			T.						1.05
Kayford[2]	Gr. Kanawha					.10	.10	.05			.45	.10					.25										.03						1.08
Lewisburg	Greenbrier					.15		.04	.24		.76	T.				.28	.02							T.		T.	.04						1.53
Logan[2]	Guyandot					.07		T.	.44	.13	T.	.31	T.				.24	T.															1.19
London Locks[2]†	Gr. Kanawha					.13			.38	.12		.15					.30	.04						T.	.05		.04						1.21
Madison[2]	Coal								.47		T.	.14				.33																	0.94
Oak Hill	New								.34	T.	T.	.34					.37										.05						1.10
Pineville[2]	Guyandot					.13			.35			.48					.86	T.									T.						1.32
Point Pleasant[2]	Ohio				.09	.07		T.	.62	T.		.05		T.		T.	.75							T.	T.		T.					.04	1.62
Princeton[2]	New					.05			.07								.51																0.63
Rainelle	Greenbrier					.16		T.	.47		.25	.16				.35	.09							.04			.07	.01					1.60

Continued on next page.

Daily Precipitation for December 1947—Concluded

Station	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio				.06	.12			.55			.07					.67	.03						.05	.11		.01						1.67
Richwood [2]	Gauley																							.14			.04						1.64
Ripley	Ohio				.02	.11		.40	.14		.10	.01				.44	.24							.14			.02					.06	1.82
Spencer [2]	Litl.Kanawha				.03	.14		.62				.15					.70		T.					.10								.18	1.28
Summersville [2]	Gauley				.12		T.	.68								.30																	0.74
Sutton	Elk					.09		T.	.19		.07					.18	T.							.11			.10						1.04
Union [2]	New					.12			.09		T.	.58					.25																1.02
Wayne [2]	Twelvepole					.03			.06	.21	.01						.58	.10									.03						1.06
Webster Springs	Elk					.13		.50			.10	T.				.20	T.							.13									1.27
White Sulp'r Spgs.	Greenbrier					.18			.18		.70	.02				.14								T.		T.	.05						1.25
Williamson [2]	Big Sandy					.01			.44	.11		.46					.23							T.	.02		.01						1.03
Winfield Locks [2†]	Gr. Kanawha					.06			.30			.08	.01				.55																

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson. Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont [3], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for December 1947

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	53	57	60	57	59	54	51	54	42	40	40	34	33	44	36	47	41	46	49	55	47	47	40	40	34	35	41	41	52	60	53	46.5
	Minimum	9	21	26	33	41	35	26	41	21	25	27	23	20	16	22	29	17	27	28	21	28	16	31	14	28	26	19	29	17	23	34	24.9
Bayard	Maximum	42	46	53	47	58	52	40	53	34	32	37	29	25	37	35	46	33	40	40	47	38	43	35	35	37	28	31	33	37	50	45	39.9
	Minimum	1	13	21	32	31	28	23	32	18	8	21	21	10	15	8	25	16	25	27	13	25	6	19	7	— 2	19	20	19	19	1	31	17.8
Bluefield	Maximum	53	57	59	58	61	58	54	57	44	47	44	49	34	42	49	48	44	48	49	51	48	36	33	52	38	49	34	39	54	59	55	48.5
	Minimum	15	26	29	37	44	35	37	39	23	25	27	25	23	20	25	29	27	23	21	23	22	19	20	30	29	18	20	22	23	29	37	26.5
Brandonville	Maximum	44	52	55	53	56	34	54	52	29	35	32	29	29	39	47	32	35	40	36	47	33	37	31	33	41	29	33	25	24	30	47	38.2
	Minimum	4	16	27	33	33	32	26	34	21	10	23	9	14	18	10	23	10	20	25	11	14	10	20	18	5	12	22	22	4	8	14	17.7
Buckhannon	Maximum	48	55	58	48	61	45	50	56	36	43	43	35	26	41	45	56	38	47	46	51	35	47	39	34	40	32	33	38	36	57	52	44.2
	Minimum	9	15	23	33	34	33	24	36	23	19	26	25	14	22	15	29	19	29	22	16	22	14	29	19	7	21	25	20	1	13	38	21.8
Cairo	Maximum	49	57	61	42	62	48	47	59	37	35	35	35	30	40	39	37	33	49	48	51	49	66	35	40	40	33	37	38	40	58	55	44.7
	Minimum	10	17	23	32	35	36	26	35	23	18	29	22	16	15	24	16	14	21	22	16	21	13	29	28	10	21	27	25	8	15	36	22.0
Charleston (Airport)	Maximum	56	60	60	53	66	46	60	60	35	39	32	40	29	45	50	48	42	52	51	50	32	45	36	39	41	36	45	40	45	62	58	46.9
	Minimum	14	24	30	39	46	28	28	31	24	26	29	24	22	26	22	26	19	31	27	22	24	18	31	22	21	29	25	24	15	24	42	26.2
Clarksburg [3]	Maximum	46	55	57	49	62	38	55	57	33	37	31	36	28	39	57	39	39	46	44	59	37	43	37	35	40	33	39	31	38	57	51	43.5
	Minimum	11	12	17	23	34	34	25	29	26	21	22	28	15	17	14	18	18	19	21	18	18	16	18	26	9	9	26	26	5	5	15	19.2
Cranberry Glades	Maximum	43	42	36	32	49	41	39	33	39	34	31	49	31	35	40	38	45	37	33	31	35	34	33	33	37	29	28	34	49	57	59	38.3
	Minimum	2	21	19	29	27	22	19	22	11	9	7	1..	12	20	29	21	24	22	19	17	21	23	18	10	15	8	4	12	21	35	32	18.3
Elkins	Maximum	49	56	58	52	60	41	52	57	30	43	30	33	28	43	52	50	40	46	45	57	38	49	36	39	40	32	39	34	40	53	50	44.3
	Minimum	8	13	19	35	40	24	22	29	17	15	25	16	15	17	13	24	21	23	21	15	18	19	26	14	10	24	24	14	7	12	33	19.8
Fairmont [3]	Maximum	48	56	59	50	62	40	54	56	38	38	31	30	40	53	50	38	49	43	49	38	42	37	36	41	31	33	33	39	55	51	43.8
	Minimum	19	29	25	37	37	30	28	31	22	20	20	29	17	22	17	25	19	32	25	19	22	19	29	20	12	27	27	14	6	14	40	23.6
Flat Top	Maximum	51	53	57	52	57	43	49	51	32	37	29	26	26	41	43	42	37	42	45	54	41	43	38	35	31	32	36	35	50	58	58	42.5
	Minimum	10	23	39	41	36	29	31	25	17	25	22	16	19	15	16	17	15	28	29	20	19	17	20	16	23	20	16	22	17	34	39	23.1
Gary [3]	Maximum	58	60	65	58	66	49	62	56	40	45	34	38	34	47	55	39	46	51	53	59	48	57	46	49	42	41	46	45	58	65	60	50.7
	Minimum	13	13	17	22	26	39	29	36	27	26	32	29	25	20	20	26	20	18	18	20	20	23	22	18	19	30	22	20	16	16	22	22.7
Glenville	Maximum	50	58	61	55	66	47	53	59	39	37	38	38	31	42	35	56	40	48	52	35	44	42	40	39	40	34	36	40	41	62	55	45.6
	Minimum	12	17	22	38	36	35	25	39	26	21	29	27	17	20	16	32	16	21	17	22	14	30	29	19	14	29	28	24	9	17	35	23.7
Grafton	Maximum	45	55	57	50	62	45	46	57	37	43	40	33	27	39	42	57	36	45	43	48	35	49	39	35	41	32	33	37	34	57	51	43.5
	Minimum	8	14	20	27	35	34	25	37	23	16	26	23	12	17	13	36	15	24	20	15	20	11	25	23	8	18	25	24	1	11	36	20.7
Huntington	Maximum	52	60	61	50	60	50	50	60	48	37	36	41	34	46	39	49	45	55	52	52	40	35	37	42	44	39	49	44	47	63	60	47.6
	Minimum	15	25	30	40	43	38	29	40	24	23	30	31	23	28	2	31	20	29	26	22	25	21	32	25	18	30	27	28	17	23	40	27.4
Lewisburg	Maximum	45	55	58	52	65	61	41	54	40	32	34	35	32	40	33	43	37	50	52	52	51	45	40	38	35	38	39	40	48	54	56	45.0
	Minimum	10	15	19	32	34	31	24	40	21	22	27	25	20	18	18	33	17	21	22	18	30	15	25	13	23	28	24	28	18	18	28	23.1
Logan [3]	Maximum	53	55	60	53	70	44	59	59	40	46	34	41	46	46	59	39	50	60	52	62	35	65	42	38	46	43	39	49	65	61	61	50.7
	Minimum	17	17	22	27	28	40	30	57	27	28	32	31	26	24	24	27	21	21	23	24	26	26	25	24	28	24	27	28	20	20	21	26.4
Madison [3]	Maximum	47	55	61	58	68	58	60	58	36	45	33	38	33	42	42	38	39	45	42	57	33	54	38	40	42	39	47	43	44	62	60	47.0
	Minimum	14	16	19	25	28	40	26	38	28	25	30	30	23	21	20	25	17	17	10	19	20	20	21	21	22	20	28	29	15	16	23	22.8
Mannington	Maximum	47	56	60	53	61	48	43	57	42	37	36	38	32	39	36	53	37	46	41	48	39	43	41	36	39	34	33	35	37	50	50	43.5
	Minimum	5	10	20	30	24	33	25	39	24	14	27	25	10	15	10	30	12	22	20	12	20	10	25	14	3	17	25	25	— 4	6	31	18.7
Martinsburg	Maximum	42	59	61	56	52	46	41	61	38	31	35	38	36	38	32	45	39	50	34	37	41	38	41	39	35	37	42	37	38	37	46	42.0
	Minimum	12	14	26	38	34	31	26	37	24	16	26	21	17	21	16	29	27	30	23	17	19	15	29	15	12	24	32	25	19	13	30	23.2
Middlebourne	Maximum	49	58	59	50	60	49	58	55	35	35	33	37	33	43	48	37	38	47	42	47	40	41	31	37	40	31	39	31	37	54	52	43.5
	Minimum	10	13	25	38	37	37	25	32	27	18	29	26	16	19	17	33	16	26	20	16	23	14	30	24	8	19	28	24	5	13	38	22.8
Morgantown	Maximum	49	57	59	52	59	46	44	55	38	40	35	40	32	40	42	54	38	40	42	47	41	41	40	30	42	30	32	33	35	54	50	43.1
	Minimum	14	17	33	35	37	35	30	38	26	18	29	28	19	24	19	30	30	33	25	18	30	17	30	18	12	26	28	28	13	15	41	25.7
New Martinsville	Maximum	47	57	60	45	56	45	45	57	32	35	33	38	32	40	39	47	38	47	37	47	40	40	36	36	39	31	34	34	36	46	50	41.9
	Minimum	12	19	26	36	38	36	37	32	26	26	29	25	17	21	16	28	26	28	23	24	25	19	29	23	13	21	27	22	8	15	34	24.5
Parkersburg	Maximum	47	58	61	51	61	41	56	59	34	33	32	38	31	42	46	46	40	48	42	50	41	40	38	40	34	39	37	37	58	56	44	44.3
	Minimum	15	27	34	39	41	31	31	32	24	24	30	24	20	22	26	27	20	30	27	22	25	20	32	25	14	29	28	22	16	24	48	26.7
Petersburg	Maximum	49	59	65	55	66	47	37	63	39	40	38	41	37	47	31	46	46	53	52	43	47	38	38	40	36	37	44	40	47	41	56	45.7
	Minimum	10	15	25	37	35	26	23	34	22	17	30	20	17	18	14	30	24	30	26	23	22	14	24	16	11	25	29	25	18	14	26	22.6
Point Pleasant	Maximum	45	55	61	57	61	53	48	58	42	36	36	36	36	42	42	46	40	49	49	45	40	37	35	40	40	39	45	45	40	59	59	45.7
	Minimum	15	24	29	42	40	37	39	41	21	24	29	30	21	21	22	31	20	32	26	21	23	18	30	27	17	29	26	27	16	22	43	27.2
Rainelle	Maximum	54	59	60	53	63	56	43	53	39	33	37	35	36	33	35	43	41	49	50	55	46	44	35	40	32	33	39	39	52	59	56	45.2
	Minimum	8	13	18	30	39	30	23	38	22	20	25	23	18	23	14	27	14	16	18	17	20	12	25	13	23	24	22	28	16	16	27	21.4
Spencer	Maximum	48	57	60	55	65	57	54	34	36	36	33	33	32	42	50	38	40	50	47	35	45	35	38	40	39	39	42	37	42	61	56	44 4
	Minimum	11	18	25	32	39	35	38	22	21	25	24	28	18	17	16	24	16	20	23	18	14	17	20	15	20	25	24	29	12	15	25	22.1
Summersville [3]	Maximum	57	60	54	65	50	54	59	37	40	28	30	39	44	49	30	40	47	49	55	32	50	32	44	44	35	39	35	48	60	59	61	46.0
	Minimum	8	18	22	33	29	20	43	20	16	22	22	14	16	13	25	9	13	15	13	16	14	25	10	13	19	20	23	7	14	25	35	19.1
Sutton	Maximum	38	49	60	60	62	62	50	50	45	44	44	39	39	44	44	36	41	50	50	56	56	45	45	42	42	42	40	40	45	65	65	48.1
	Minimum	10	15	20	30	35	34	24	40	26	32	28	26	18	18	15	32	11	20	19	16	21	19	29	18	14	24	24	17	11	16	30	22.3
Wardensville [2]	Maximum	47	62	65	48	63	42	57	62	37	35	35	39	40	43	46	43	46	51	43	45	40	41	41	37	37	38	40	43	44	43	55	45.4
	Minimum	9	13	22	27	35	40	20	28	26	15	19	28	15	16	13	15	19	20	20	21	18	12	15	16	9	12	25	20	15	11	14	19.0
Wheeling [3]	Maximum	44	57	58	52	56	38	56	51	34	36	33	36	32	40	48	38	40	42	35	46	41	41	36	37	38	31	35	31	35	49	50	41.8
	Minimum	15	15	30	36	36	36	30	35	27	19	20	25	19	23	19	21	20	21	25	17	17	19	20	25	14	14	29	26	9	9	17	22.2
White Sulphur Spgs.	Maximum	51	57	55	53	61	64	41	55	45	37	37	38	37	43	33	47	40	49	53	55	44	45	43	46	89	37	41	42	52	59	56	46.9
	Minimum	7	12	14	23	38	35	21	38	25	24	29	27	20	19	14	32	22	16	18	16	14	13	24	12	9	22	13	19	15	14	25	20 3
Williamson [3]	Maximum	56	61	65	58	73	55	58	59	42	45	35	40	36	50	60	40	51	58	59	56	34	53	43	48	45	44	54	50	58	66	65	52.4
	Minimum	16	16	20	25	30	29	28	34	24	27	32	31	26	23	22	28	22	20	20	28	25	27	26	24	23	31	23	24	18	19	24	24.5

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

VICTOR T. HORN

Vol. LV PARKERSBURG, W. VA., YEAR 1947 No. 13

GENERAL SUMMARY

The important weather happenings in West Virginia during 1947 had mostly to do with extremes of temperatures; these happenings were (1) the fifth warmest January of record, (2) the third coldest February, (3) the coldest March, (4) killing frosts on May 10 and a new May record minimum temperature of 14° for the State, (5) the second coldest July, (6) the second hottest August, (7) the third warmest October and (8) the second driest December.

Spring came late and was cold; May frosts did extremely heavy damage to fruits and truck gardens. Summer also was cold—through July. August was hot and humid and seemed hotter than it would have if it had not followed so closely on the heels of frigid July. Abnormally warm weather continued to late in October, making for a long fall and good harvest weather. First snows of the new winter fell in November which turned out to be a stormy month; snowfall was light in December. Crop conditions remained fairly good throughout December in spite of alternate freezes and thaws which were harmful to the roots of winter grains and grasses.

WEATHER BY MONTHS

JANUARY.—January was very warm (fifth warmest of record) and rather wet with most of the precipitation falling as rain. On the 15th and 16th, fairly heavy rains sent the Bluestone River over its banks and over State Route No. 20 between Hinton and Princeton. The Tug River also rose and inundated one street in the town of Welch. Damage in both instances was minor. Winter grains and trees went through the month in good shape.

FEBRUARY.—This month was characterized by extremes of temperature, precipitation and snowfall. It was the third coldest February of record. The average monthly snowfall was 21.9 inches which was the greatest monthly amount of record. However, the average monthly precipitation was only 1.64 inches, which was the fifth lowest amount of record for February. Farm work remained on winter routine all month. Snow cover was adequate to protect wheat.

MARCH.—Continuing the abnormally cold weather of February, this March was the coldest of record. Snowfall averaged 17.9 inches, being the greatest of record for March. On the 13-14th, damage estimated at about $6,000 was caused by high winds in Mercer and Monroe Counties. On the 24-25th, long-continued, high southwest to northwest winds, with gusts estimated as strong as 70 m.p.h. in some places, caused damage to parked airplanes, buildings, trees and utility wires. Total loss was estimated in excess of $100,000. Winter conditions prevailed all month.

APRIL.—The temperature rose abruptly the first of April and the month averaged 3.8° above normal. However, planting of oats and gardens was much delayed by wet weather. Trees and bushes leafed at an abnormally slow rate. The permanent grasses furnished little feed during the month.

MAY.—Abnormally cold weather, with a killing frost on the 10th, characterized the first decade in May. Thereafter, temperatures were near normal. Precipitation averaged somewhat below normal. Rainy weather after the 12th caused much difficulty in the planting of corn and soybeans. Damage to fruit orchards and truck gardens by the killing frost of the 10th was very heavy. However, the cool-season crops such as oats, wheat, potatoes and garden peas made good growth. Pastures and meadows were short owing to so much cold weather.

JUNE.—Temperature and precipitation averaged a little below normal. Heavy hail damaged crops, gardens, roofs and windows at Berlin and vicinity on the 6th. On the 8th, a man was killed by lightning at Clarksburg; damage to the extent of $105,000 was done by torrential thundershowers in Cabell County to roads, bridges, plowed land and crops. Frequent rains made poor harvesting weather but crops grew well.

JULY.—Temperature was abnormally low; this was the second coldest July of record. The northern part of the State had above-normal precipitation while the southern had less than average amounts. On the 11th at Moundsville, strong winds caused considerable damage to roofs, utility poles and trees while heavy rains washed out gardens. On the 12th, in Boone County, a boy was killed by lightning and his two companions were injured. On the 14th, at Sugar Grove and vicinity, a loss, estimated at $48,000, resulted from heavy rains and a flash flood. From the agricultural viewpoint, July was a fairly satisfactory month. Much good hay was made during the first week; then, a general rain during the second week helped pastures and meadows; frequent showers in the third week hindered haying and wheat harvesting; during the last decade, most of the wheat was threshed, apple and peach picking was underway in all sections and early potatoes were turning out satisfactory yields.

AUGUST.—This was an unusually hot and humid August. The northeastern panhandle division had little precipitation while most places in the southern division recorded heavy rainfall amounts; precipitation in the northern division was about normal. On the 4th and 14th, minor storm damage occurred at Parkersburg and vicinity from heavy rain and high winds. Hot humid days and nights, along with adequate rainfall, made corn and soybeans grow with a vigor seldom seen. Record yields per acre of corn, potatoes and tobacco, and near-record yields of oats and buckwheat, were in prospect August 31st. Wheat and barley yields were of record proportions. Pastures gave ample feed all month in most places. A nearly average peach crop was secured. Winter apples gained size rapidly during the month.

SEPTEMBER.—The mean temperature was nearly normal; yet the first three weeks were considerably above normal and the last nine days were quite cold. Approximately one-third of the stations had killing frosts on the 23d. Dry conditions continued in the northeastern part of the State while the remainder of the State had rainfall amounts considerably above normal. Storm damage during the month was light. Above-normal temperatures during the first two decades of the month were favorable for maturing the corn and soybean crops. Frosts during the last decade did little damage to corn except to late-planted fields. The bulk of the tobacco crop was in the barns by the end of the month.

OCTOBER.—This month was unusually warm and dry. Forest fires, the worst of which were in Mineral County, broke out early in the third decade and, by the 24th, had destroyed over 9,000 acres of timber and damaged some orchards. These fires were quenched by the general rains of the 27-28th. No snowfall was reported from any station during the month—quite unusual for October. Very warm, dry weather dried out the corn crop satisfactorily. Corn husking was in full swing by the 21st

(Continued on page 53)

Climatological Data for the Year 1947

STATIONS	COUNTIES	Elevation, feet	Temperature, in degrees Fahr.						Precipitation, in inches							Number of days				Prevailing direction of wind
			Length of record, years	Annual mean	Highest	Date	Lowest	Date	Length of record, years	Total for year	Greatest monthly	Month	Least monthly	Month	Total snowfall	Precipitation, .01 in. or more	Clear	Partly cloudy	Cloudy	
Northeastern Panhandle Division																				
Bayard	Grant	2,375	45	46.8	88	June 10	− 7	Mar. 1	43	38.50	4.92	Nov.	1.31	Oct.	120.4	156	129	102	134	w.
Harpers Ferry	Jefferson	400							59	31.96	4.24	May	0.74	Oct.	23.2	108				
Inwood	Berkeley	569	13	53.8	99	Aug. 14†	3	Feb. 5	14	23.33	3.81	July	0.63	Dec.		88	87	211	67	w.
Kearneysville	Jefferson	548	17	53.8	98	June 11	3	Feb. 5	18	31.39	6.71	July	0.65	Dec.	31.8	112	114	171	80	w.
Martinsburg	Berkeley	545	50	52.6	95	Aug. 14†	4	Feb. 5	56	28.43	5.79	July	0.78	Dec.	28.5	119	117	112	136	nw.
McNeill, 2 NE	Hardy	800	14	51.8	101	Aug. 14†	0	Feb. 5	14	20.95	4.26	July	0.44	Dec.		78	103	141	121	w.
Petersburg	Grant	1,029	9	53.3	99	Aug. 14	3	Feb. 5	9	21.50	3.15	Nov.	0.72	Dec.	21.2	109	75	108	182	nw.
Piedmont	Mineral	1,053	34	52.6	95	Aug. 14	1	Feb. 5	33	34.23	6.94	Aug.	0.74	Dec.	28.7	118	124	98	143	w.
Romney	Hampshire	824	47	53.7	96	June 13†	4	Feb. 5	46	28.92	8.82	July	0.81	Dec.	16.5	136				
Spruce Knob	Pendleton	4,550	16						16	47.16	6.87	Aug.	0.87	Dec.	94.0	141				
Stony River Dam	Graut	3,300	28						28	38.48	6.41	Nov.	0.55	Oct.	79.7	125	59	66	240	w.
Wardensville, 2½ NE	Hardy	1,200	30	51.1	98	Aug. 14	2	Feb. 5	29	26.06	4.50	Aug.	0.55	Mar.	23.2	87	191	118	56	nw.
Northern Division																				
Aberdeen	Upshur	1,060							24	39.94	8.26	July	1.60	Feb.	37.9	140	73	181	111	w.
Benson	Harrison	1,080	23	53.3	96	Aug. 20	− 5	Feb. 28	23	42.10	7.38	July	1.23	Oct.	66.5	144	114	173	78	
Bens Run	Pleasants	652	47	54.4	97	Aug. 13	0	Feb. 8	47	40.40	6.05	Jan.	1.37	Oct.		132	218	91	56	
Brandonville	Preston	1,798	7	48.7	90	Aug. 13†	− 5	Feb. 5	7	50.23	7.99	July	1.82	Oct.	92.1	128				
Brownsville	Lewis	1,032	24	53.0	96	Aug. 25	− 4	Feb. 28	24	35.52	5.98	July	1.39	Apr.	54.0	127	121	131	113	s.
Buckhannon	Upshur	1,459	53	51.6	91	Aug. 12	− 3	Feb. 28	57	41.86	7.71	July	1.19	Feb.	69.7	159	87	159	119	w.
Cairo, 3 S.	Ritchie	680	42	53.5	93	June 11†	1	Feb. 28	38	43.29	8.11	Sept.	0.81	Oct.		128	144	135	86	
Canaan Valley	Tucker	3,250	4	46.0	86	June 10†	− 9	Feb. 5	4	50.27	6.22	Aug.	1.49	Oct.	110.0	151				w.
Clarksburg	Harrisou	1,015	25	51.3	97	Aug. 14	− 1	Feb. 28†	25	31.63	5.86	July	1.22	Oct.	52.7	130	149	84	132	w.
Creston	Wirt	640	47	*53.5*	95	Aug. 4†	2	Feb. 8	47	33.86	4.92	Jan.	0.88	Feb.	27.1	125	*104*	*92*	*169*	
Dam 10 Mon. R.	Monougalia	826	3	53.2	95	Aug. 11†	0	Feb. 5	26	34.10	5.78	July	1.18	Feb.	26.8	162	169	59	137	sw.
Dam 13 O. R.	Marshall	655							32	35.39	5.24	May	1.00	Oct.		152				
Dam 15 Mon. R.	Mariou	882							26	34.56	4.66	May	1.48	Apr.	34.5	154				
Dam 19 O. R.	Wood	600							31	36.42	6.20	July	0.44	Feb.		127				
Dam 20 O. R.	Wood	600							31	38.03	6.01	May	0.62	Feb.		120				
Elkins	Randolph	2,006	49	49.6	88	June 11†	− 3	Feb. 5	49	39.71	7.14	June	1.35	Oct.	65.3	154	54	104	207	w.
Fairmont	Marion	1,023	43	53.4	95		1	Feb. 5†	56	30.60	4.58	July	1.21	Oct.	28.2	123	113	111	141	sw.
Glenville	Gilmer	780	53	54.8	92	June 10†	2	Feb. 28	59	37.84	5.14	July	1.45	Dec.	34.2	135	84	126	155	w.
Grafton	Taylor	1,110	53	51.0	92	Aug. 12	− 6	Feb. 28	51	35.93	5.46	July	1.13	Feb.	50.3	154	110	114	141	sw.
Harrison Co. Airport	Harrison	1,188	8	51.2	92	Aug. 13	− 1	Feb. 5	8	36.67	5.52	July	1.31	Oct.	51.0	143	65	105	195	sw.
Hastings	Wetzel	809							12	44.35	6.72	Jan.	1.57	Feb.	33.6	155	91	150	124	w.
Jane Lew	Lewis	1,020							24	38.58	6.95	July	1.50	Feb.	38.6	144				
Kumbrabow St. Forest	Randolph	3,210	8	46.4	85	Aug. 13	− 8	Feb. 5	8	51.14	7.49	July	1.64	Oct.	146.9	186	203	33	129	
Mannington, 1½ NW	Marion	974	46	51.7	94	June 10	− 7	Feb. 28	46	43.25	6.08	July	1.77	Feb.	36.9	183	116	107	142	w.
Middlebourne, 2¾ SE	Tyler	750	7	*52.8*	95	Aug. 20	− 4	Feb. 28	7	35.86	4.80	Aug.	0.76	Feb.	22.2	108	127	70	168	w.
Morgantown, 2 N.	Monongalia	1,250	54	52.8	94	Aug. 13†	− 2	Feb. 5†	72	37.83	6.17	July	1.16	Oct.	35.0	132	130	100	135	
New Cumberland	Hancock	671	53	51.9	98	Aug. 14†	0	Feb. 5†	50	32.45	5.92	May	0.79	Oct.		143	133	71	161	nw.
New Martinsville	Wetzel	637	55	53.8	98	Aug. 12	0	Feb. 5†	54	44.70	7.74	Aug.	1.07	Oct.	27.9	123	147	113	105	sw.
Parkersburg	Wood	615	63	54.3	95	Aug. 11	2	Feb. 8	63	43.32	9.03	Aug.	0.89	Oct.	29.5	137	66	99	200	se.
Parsons	Tucker	1,649	49	51.0	92	Aug. 13	− 2	Feb. 5	49	40.97	6.05	July	1.25	Oct.	103.0	171	87	108	170	nw.
Philippi	Barbour	1,300							55	42.25	6.29	Aug.	1.36	Oct.	71.0	153				
Roanoke	Lewis	1,050							24	38.07	6.24	July	1.20	Feb.	30.9	122	151	69	145	
Rowlesburg	Preston	1,375	6	51.1	94	Aug. 13	− 1	Feb. 5	63	37.76	5.01	Jan.	1.74	Oct.	65.5	131				ne.
Thomas	Tucker	2,950							19	*47.66*	5.50	May	*1.37*	Oct.	106.0					
Valley Chapel	Lewis	1,011	24	55.1	98	Aug. 23	− 2	Feb. 28	24	39.61	6.12	July	1.30	Oct.	45.9	134	112	142	111	w.
Valley Head	Randolph	2,425							10	40.93	5.79	July	1.45	Oct.	88.5	146				
Wellsburg, 3 NE	Brooke	668	48	51.7	95	Aug. 11†	− 1	Feb. 5†	55	37.07	6.04	July	0.47	Feb.		98	136	97	132	
West Milford	Harrison	979							22	39.57	5.91	July	1.44	Oct.	45.2	138				
Weston	Lewis	1,026							57	38.58	5.33	July	1.86	Dec.	49.5	157				
Wheeling (Dam 12)	Ohio	659	40	52.2	95	Aug. 5†	1	Feb. 5†	64	33.47	5.80	May	0.81	Feb.	26.2	135	105	110	150	sw.
Southern Division																				
Arbovale	Pocahontas	2,727							25	*35.41*	4.54	July	1.07	Dec.	*62.8*	*133*	118	130	117	w.
Bluefield	Mercer	2,590	49	53.2	92	June 10	− 1	Feb. 5†	53	36.27	6.60	Jan.	0.87	Dec.	90.9	140	*176*	*73*	*116*	
Bluestone Dam	Summers	1,408	5	54.3	100	June 10	4	Feb. 6	5	30.67	6.45	Aug.	1.02	Dec.	53.4	131	151	64	150	
Camden-on-Gauley	Webster	2,029							29	40.25	7.10	Aug.	1.34	Dec.	81.0	147				
Charleston	Kanawha	602	44	56.2	100	Aug. 19†	4	Feb. 8	61	35.75	5.84	Aug.	0.76	Dec.	23.6	138	172	70	123	
Charleston (Airport)	Kanawha	950	10	54.6	95	June 10†	4	Feb. 5†	10	36.21	5.86	Jan.	1.02	Dec.	23.7	137	67	120	178	ne.
Coalwood	McDowell	1,450	5	55.0	98	June 10	5	Feb. 5†	5	40.28	6.80	Aug.	1.36	Dec.	60.5	146	143	128	94	sw.
Cranberry Glades	Pocahontas	3,400	4	46.0	88	June 9	1	Mar. 1	4	41.28	6.04	Aug.	0.83	Dec.	99.7	139				w.
Flat Top	Mercer	3,270	10	48.2	86	June 10	− 6	Feb. 8	10	40.21	8.55	Aug.	1.45	Dec.	57.5	146	79	118	168	nw.
Gary	McDowell	1,426	28	*53.7*	95	June 10	3	Feb. 6	31	39.86	9.66	Aug.	1.23	Dec.	58.0	139				
Hamlin	Lincoln	642	5	*54.2*	95	Aug. 20†	3	Feb. 5	5	*34.80*	6.28	June	0.82	Oct.	*17.8*	*111*	173	58	134	
Hinton	Summers	1,431	50	55.0	100	June 11†	4	Feb. 5	59	32.24	6.16	Aug.	1.23	Dec.	50.4	123				
Hogsett	Mason	564							10	33.60	5.38	Jan.	0.86	Feb.		142				
Huntington	Cabell	571	51	56.9	96	Aug. 4†	3	Feb. 8	52	38.64	7.71	June	1.05	Dec.	28.6	133	94	155	116	w.
Kayford	Kanawha	1,335							31	37.38	5.03	Aug.	1.08	Dec.		111				
Lewisburg	Greenbrier	2,100	46	51.2	92	June 10†	− 1	Feb. 5	52	35.41	5.73	Jan.	1.53	Dec.	55.7	145	175	70	120	
Logan	Logan	700	21	56.1	98	July 31	5	Feb. 8†	35	37.75	5.64	Jan.	1.19	Dec.	39.1	134	*170*	*75*	*120*	
London Locks	Kanawha	623	13	54.4	95	June 10	3	Feb. 9	13	38.73	7.15	Aug.	1.21	Dec.	31.4	151				
Madison	Boone	675	26	*54.6*	93	June 11†	4	Feb. 5†	27	37.47	5.49	May	0.94	Dec.	24.6	114	*114*	140	111	
Oak Hill	Fayette	1,950	6	50.9	90	June 10	− 1	Feb. 5†	6	37.17	5.83	Aug.	1.10	Dec.	71.3	150				
Pineville	Wyoming	1,350	5	52.0	92	July 10†	2	Feb. 5†	5	35.40	6.81	Aug.	1.32	Dec.	58.0	113				
Point Pleasant	Mason	595	54	56.0	95	Aug. 11†	3	Feb. 8	58	38.26	6.77	May	0.60	Feb.	20.0	126	139	72	154	sw.
Princeton	Mercer	2,410							18	28.74	8.18	Aug.	0.63	Dec.	50.8	120	*136*	*145*	*84*	w.
Rainelle	Greenbrier	2,424	17	50.5	92	June 10†	− 4	Feb. 6†	17	*39.83*	5.68	Jan.	1.60	Dec.	121.2	170	*144*	*58*	*163*	
Ravenswood (Dam 22)	Jackson	584	25	55.0	94	Aug. 20	0	Feb. 8	33	31.74	4.72	Aug.	0.57	Feb.		130	137	71	157	nw.
Spencer	Roane	789	48	*53.0*	91	June 10	− 1	Feb. 8	49	35.84	4.53	Jan.	1.18	Oct.	42.2	140	*86*	*162*	*117*	
Summersville	Nicholas	1,900	12		91	June 9†	− 8	Feb. 27	12											
Sutton	Braxton	850	45	55.2	97	Aug. 20†	3	Feb. 5†	45	37.87	5.77	July	0.74	Dec.	55.0	120				
Union	Monroe	2,200	44	50.4	94	June 11	− 2	Feb. 5	43	37.13	8.72	Aug.	1.04	Dec.		128	188	35	142	w.
Wayne	Wayne	598							23	37.83	7.21	June	1.02	Dec.	22.6	129				
Webster Springs	Webster	1,500	13	53.6	92	June 11	− 1	Feb. 5	14	41.97	7.63	Aug.	1.06	Oct.	38.4	124	167	64	134	w.
White Sulphur Springs	Greenbrier	1,914	35	51.6	94	June 11	− 1	Feb. 5	34	37.77	5.88	Jan.	1.27	Dec.	58.4	121	65	138	162	w.
Williamson	Mingo	673	46	*56.7*	99	July 31	5	Feb. 8†	47	38.54	8.83	Aug.	1.25	Dec.	33.5	121	169	89	107	n.
Winfield Locks	Putnam	571	10	54.3	95	Aug. 20	4	Feb. 6†	10	35.41	5.56	Aug.	0.96	Feb.		137	118	93	154	w.
State averages and extremes				**52.6**	**101**	**Aug. 14**	**− 9**	**Feb. 5†**	....	**36.48**	**9.66**	**Aug.**	**0.44**	**Feb.***	**50.3**	**130**	**124**	**107**	**134**	**w.**

† Also on other dates. * Also other months.

Monthly and Annual Precipitation for the Year 1947, with Departures from Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure	Precipitation	Departure
Northeastern Panhandle Division																										
Bayard	4 73	+0.23	2.85	−0.65	3.08	−1.43	3.24	−0.60	3.83	−0.47	3.05	−2.08	3.19	−1 05	4.22	−0.16	2.17	−1.14	1.31	−1.95	4.92	+1.92	1.91	−1.93	38.50	−9.31
Brandywine	0.90	−1.44	.....	.....	.....	.....	1.95	−0.72	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	1.20	−1.17	2.50	+0.72	0.43	−1 67	.....	.....
Harpers Ferry	3.25	+0.54	1.13	−1.13	1.72	−1.33	2.30	−0.95	4.24	+0.80	3.85	+0.20	4.20	+0.70	4.00	+0.01	1.77	−0.89	0.74	−2.52	3.92	+1.73	0.84	−1.77	31.96	−4.61
Inwood	2.03	−0.09	0.83	−1.42	1.47	−1.54	1.85	−1.15	2.50	−0.79	2.77	−1.11	3.81	+0.26	2.02	−1.91	0.97	−2.26	1.07	−2.46	3.38	+0.75	0.63	−1.88	23.33	−13.60
Kearneysville	3.03	+0.25	1.36	−1.00	1.68	−1.64	1.78	−1.50	2.96	−0.53	4.13	+0.50	6.71	+3.52	3.45	−0.30	1 03	−2.30	1.16	−2.10	3.45	+0 85	0.65	−1.76	31.39	−6 01
Martinsburg	2.92	+0.41	0.94	−1.46	1.56	−1.70	1.73	−1.88	3.43	+0.04	2.63	−1.51	5.79	+2 17	3.75	−0.31	0.85	−2 07	0.90	−2.17	3.15	+0.90	0.78	−1.98	28.43	−9.06
McNeill, 2 NE	2.16	−0 22	1.05	−1.08	0.72	−1.87	1.47	−1.49	2.04	−1.19	1.79	−1.81	4.26	+1.23	1.59	−1.40	0.98	−1.30	1.02	−1.29	3.43	+1.88	0 44	−1.62	20.95	−10.16
Petersburg	2.35	.....	0.78	.....	0.75	.....	1.80	.....	1.70	.....	2.95	.....	3.08	.....	1.76	.....	1.71	.....	0.75	.....	3.15	.....	0.72	.....	21.50	.....
Piedmont	2.98	+0.40	1.17	−1.07	1.38	−1 60	1.77	−1.21	3.18	−0.47	2.80	−1.20	4.85	+1.37	6.94	+3.35	3.42	+1.01	0.75	−1.90	4.25	+2.36	0.74	−1.67	34.23	−0.66
Romney	2.64	+0.25	0.88	−1.02	1.15	−1.71	2.14	−0.83	3.44	−0.09	2.61	−1.21	8.82	+5.34	1.22	−2.39	1.33	−1.35	0.91	−1.64	2.97	+1.19	0.81	−1.44	28.92	−4.90
Spruce Knob	4.43	+1.41	1.29	−1.47	3.24	−0.64	3.81	−0.27	4.88	−0.21	5.69	+1.06	3.04	−2.33	6.87	+1 22	3.98	+0.61	4.01	+0.68	5.55	+3.17	0.87	−1.52	47.16	+1 71
Stony River Dam	4.33	+1.52	2.63	−0.22	2.34	−1 01	3.05	−0.70	4.42	−0.18	3.84	−0.18	4.00	−0.14	1.66	−2.92	3.43	+0.65	0.55	−2.65	6.41	+3.46	1.82	−1.42	38 48	−3.79
Wardensville, 2½ NE	2.33	+0.20	1.39	−0.32	0.55	−1.65	3.02	+0.51	2.55	−0.41	1.82	−1.18	2.92	−0.18	4.50	+0.87	1.82	−0.77	1.05	−2.11	3.53	+1.90	0.58	−1.16	26.06	−4.30
Northern Division																										
Aberdeen	4.35	+0.95	1.60	−1.50	2.04	−1.75	2.21	−1.59	4.17	+0.30	4.88	+0.52	8.26	+3.47	1.98	−2.50	4.14	+0 83	1.96	−1.58	2.72	−0.62	1.63	−1.37	39.94	−4.84
Benson	4.88	+1.27	1.93	−1.78	2.21	−1.25	1.54	−1.67	4.85	+0.92	4.25	−0.06	7.38	+2.23	2.88	−1.57	5.20	+1.57	1.23	−2.33	3.13	−0.36	2.62	−0.87	42.10	−3.90
Bens Run	6.05	+2.07	1.39	−1.72	1.64	−2.40	2.88	−0.68	3.60	−0.40	4.12	−0.10	5.58	+1.05	3.50	−0.74	5.50	+2.91	1.37	−1.65	3 26	+0.37	1.51	−2.05	40.40	−3 34
Brandonville	4.89	..	3.06	.....	4.61	.....	2.27	.....	5.84	.....	4.61	.....	7.99	.....	4.65	.....	3.22	....	1.82	.....	4.45	.....	2.82	.....	50.23	.....
Brownsville	3.76	+0.17	1.74	−1.33	2.10	−1.37	1.39	−1.97	5.35	+1.12	3.55	−0.76	5.98	+1.18	2.06	−2.21	4.07	+0.32	1.58	−1.84	2.41	−1.26	1.53	−1.79	35.52	−9.74
Buckhannon	4.51	+0.11	1.19	−2.57	1.81	−2.70	2.49	−1.40	5.13	+0.70	5.40	+0.69	7.71	+2.99	3.37	−0.72	4.22	+1 26	1 37	−1.77	3 04	−0.06	1.62	−2.56	41.86	−6.03
Cairo, 3 S	5.59	+1.64	1.47	−1.50	1.43	−2 39	2.68	−0.78	5.17	+1.75	4.76	+0.25	5.59	+1.17	3.09	−0.78	8.11	+5.31	0.81	−2.11	3.41	+0.53	1.43	−2.02	43.29	+0.82
Canaan Valley	4.52	.....	2.73	.....	4.16	.....	3.60	.....	6.19	.....	4.68	.....	6.06	.....	6.22	.....	4 05	.....	1.49	.....	4.47	.....	2.10	.....	50.27	.....
Clarksburg	4.14	+0.85	1.54	−1.50	2.01	−1.01	1.37	−2.00	2.82	−0.86	2.28	−1.99	5.86	+1.78	2.38	−2.10	3.75	+0.15	1.22	−1.91	2.67	−0.52	1.59	−1.49	31.63	−10.62
Creston	4.92	+0.99	0.88	−2.31	2.31	−1.79	1.46	−2.20	8.94	+0.23	2.81	−1.57	3.45	−0.77	3.98	+0.12	3.86	+1.17	1.16	−1.99	3.39	+0.64	1 70	−1.77	33.86	−9.25
Dam 10, Mon R	4.17	+0.98	1.18	−1.69	1.73	−2.04	1.63	−1.84	4.44	+0.37	3.27	−1.07	5.78	+1.70	2.24	−1.82	3 26	−0.26	1.23	−1.94	3.19	+0.04	1.98	−1.44	34.10	−9.01
Dam 13, O R	4.77	+1.64	1.24	−1.19	1.28	−2.15	3.15	−0.17	5.24	+1.82	4.42	+0.59	5.23	+0.87	2.18	−1.19	1.54	−1.44	1.00	−1.69	3 60	+1.22	1.74	−1 24	35.39	−2.93
Dam 15, Mon. R	4.37	+1.15	1.74	−1.25	1.74	−1.40	1.48	−1.81	4.66	+1.06	3.29	−0.70	4.26	+0.33	2.81	−1.32	3.58	+0.39	1.86	−1.38	2.98	−0.31	1.79	−1.34	34.56	−6.58
Dam 19, O. R	5.79	+2.38	0 44	−2.13	1.37	−2.17	3.10	−0.08	4.40	+0.98	2.49	−1.43	6.20	+2.27	5.14	+1.48	1.61	−1.05	1.18	−1.47	2.99	+0.35	1.71	−1.42	36.42	−2.29
Dam 20, O R	5.41	+1.79	0.62	−2.14	1.46	−2.25	3.21	−0.03	6.01	+2.55	4.01	+0.02	2.84	−1.09	5.64	+1.85	2.82	+0.23	0.95	−1.80	2.94	+0.31	2.12	−1.02	38.03	−1.55
Elkins	3.99	+0.21	1.93	−1.15	3.01	−0.79	2.58	−1.04	3.84	−0.21	7.14	+2.08	5.08	−0.30	2.18	−1.68	4.06	+0.91	1.35	−1.56	3 00	+0.22	1.55	−1.91	39 71	−5.22
Fairmont	3.47	−0.46	1.34	−1.68	1.64	−2.33	1.69	−1.58	3.23	−0.65	2.70	−1.71	4.58	+0.18	3.52	−0.48	3.37	+0.42	1.21	−1.90	2.63	−0.13	1.22	−2.27	30.60	−12.59
Glenville	4.46	+0.03	2.76	−0 81	2.86	−1.43	1.75	−2.01	3.57	−0.55	3.25	−1.14	5.14	+0.27	3.44	−0.79	4.24	+1.02	1.47	−1.74	3.45	+0.40	1.45	−2.48	37.84	−9.23
Grafton	4.24	+0.67	1.13	−1.78	1.62	−2.14	1.70	−1.59	3.90	+0.22	3.40	−0.73	5.46	+1.38	4.49	+0.78	4.27	+1.66	1.56	−1.40	2 84	+0.41	1.32	−1.76	35.93	−4.28
Harrison County Airp't	4 03	....	1.43	.....	2.14	.....	1.87	.....	3 38	.....	4.30	.....	5.52	.....	3.26	.....	5.17	....	1.31	.....	2.72	.....	1.54	.....	36.67	.....
Hastings	6.72	+2.96	1.57	−1.69	2.26	−2.21	2.92	−1.09	4 23	−0.40	3.99	−1.63	6.47	+1.68	4.21	−0.92	3.79	+0.79	1.69	−1.62	4.03	+1.17	2.47	−1.15	44.35	−4.11
Jane Lew	4.72	+1.46	1.50	−1.27	2.00	−1.26	2.08	−1.57	3.72	−0.88	4.61	+0.54	6.95	+2.01	2.50	−2.35	4 27	+1.03	1.87	−1.45	2.85	−0.47	1.51	−1.57	38.58	−5.78
Kumbrabow State Forest	7.26	.....	3.63	.....	5.09	.....	3.30	.....	4.47	.....	4.57	.....	7.49	.....	3.89	.....	2.59	.....	1.64	.....	4.51	.....	2.70	....	51.14	.....
Mannington, 1½ NW	5.32	+1.20	1.77	−1.13	2.10	−1.93	1.99	−1.71	5.00	+0.99	4.07	−0.21	6.68	+1.29	4.91	+0 83	4.40	+1.01	1.91	−1.26	3.34	+0.30	2.36	−1.21	43.25	−1.83
Middlebourne, 2½ SE	4.28	.....	0.76	.....	1.55	.....	2.40	.....	4.15	.....	3.82	.....	4.33	.....	4.80	.....	4.27	.....	1.39	.....	2.99	.....	1.12	.....	35.86	.....
Morgantown, 2 N	3.75	+0 29	2 16	−0.40	1.88	−1.51	1.99	−1.16	4.47	+0.77	4.03	−0.21	6.17	+1.79	4.66	+0.65	2.26	−0.61	1.16	−1.99	3.12	+0.59	2.18	−0.92	37.83	−2.71
New Cumberland	4.30	+1.46	0.92	−1.52	1.00	−2.24	2.70	−0.58	5.92	+2.52	3.73	−0.82	3.27	−0.81	2.72	−0.67	2.78	−0.13	0.79	−1.93	2.52	+0.20	1.80	−0.96	32.45	−5.48
New Martinsville	6.47	+2.49	1.24	−1.60	1.73	−2.06	2.64	−0.86	5.39	+1.72	3.15	−0.96	5.92	+1.43	7.74	+3.85	3.43	+0 40	1.07	−2.05	4.15	+1.31	1.77	−1.79	44.70	+1.88
Parkersburg	5.74	+2.16	1.04	−2.09	1.86	−1.63	3.38	+0.19	3.59	+0.21	2.80	−1.20	7.45	+3.16	9.03	+5.52	2.18	−0.58	0.89	−1.59	3.54	+0.97	1 82	−1.21	43.32	+3.91
Parsons	4.38	−0.23	2.17	−1.35	3.12	−1.09	3.43	−0.33	4.51	+0.38	4.58	−0.41	6.05	+0.96	2.43	−1 62	4.04	+0.89	1.25	−2.02	3.25	+0.32	1.76	−2.29	40.97	−6.79
Philippi	4.80	+0.66	2.12	−1.06	2.49	−1.65	1.87	−1.85	3.89	−0.38	4.28	−0.41	5.24	+0 51	6.29	+2.05	5.65	+2 35	1.36	−1.78	2.65	−0.28	1.61	−2.16	42.25	−4.00
Pickens No. 2	7.11	+0.79	6.36	+1.27	7.48	+1.57	2.82	−2.37	.....	.....	.....	.....	7.74	+1.70	4.95	−0.52	5.51	+1.41	2.03	−2.01	4.59	+0.37	2.63	−2.75	.....	.....
Roanoke	4.11	+0.51	1.20	−2.18	1.91	−1.71	1.75	−1.83	5.47	+1.11	4.47	+0.16	6.24	+1.35	1.43	−2.91	5.12	+1.72	1.51	−1.91	3.58	+0.21	1.28	−2.09	38.07	−7.57
Rowlesburg	5.01	+0.10	1.97	−1.68	2 36	−2.49	2.10	−2.09	4.62	−0.01	2.45	−2 92	4.18	−1.02	4.19	−0.34	3.06	−0.42	1.74	−2.61	3.50	−0.05	2.55	−1.83	37.76	−15.36
Thomas	5.27	+1.29	2.87	−0.69	4.64	−0 47	3.40	−0.78	5.50	+0.25	4.52	−0.59	4.80	−1.69	4.60	−0 49	4.09	+0.09	*1.37*	*−2.87*	3.99	+1.00	2.61	−1.24	47.66	−6.19
Valley Chapel	4.96	+1.42	2.28	−0.79	2.13	−1.56	2.07	−1.34	4 00	+0.11	4.11	+0 36	6.12	+1.19	1.99	−2.17	5.67	+2 35	1.30	−2.11	3.16	−0.11	1.82	−1.40	39.61	−4.05
Wellsburg, 3 NE	3.91	+0.86	0.47	−1.72	1.55	−1.64	3.38	+0.22	5.05	+1.85	5.92	+1.78	6.04	+1.86	4.15	+0.59	1 87	−1.12	0.75	−1.97	2.54	−0.03	1.44	−1.47	37.07	−0 79
West Milford	5.13	+2.06	1.91	−1.42	2.37	−1.17	2.20	−1.62	3.85	+0.12	3.49	−0.78	5.91	+1.26	3.40	−1.22	4.77	+1 50	1.44	−2.78	2.99	−0.62	2.11	−0.97	39 57	−5.64
Weston	4.69	+0.58	2.48	−1.12	2.89	−1.39	1.96	−1.55	4.83	+0.99	3.81	−0.53	5.33	+0.91	2.52	−1.18	3.21	+0.58	2.04	−0.77	2.96	+0 02	1.86	−1.77	38.58	−5.23
Wheeling (Dam 12)	4.49	+1.45	0.81	−1.48	1.26	−2.02	2.75	−0 48	5.80	+2.70	5.19	+1.30	2.98	−1.32	3.34	−0.21	1.38	−1.54	0.86	−1.87	3.14	+0.71	1.47	−1.51	33.47	−4.27
Southern Division																										
Arbovale	3.26	+0.45	*1.83*	−1.04	3.51	−0.30	2.78	−0.44	2.19	−1.22	3 81	+0.06	4.54	−0.17	4.25	−0.06	3.00	+0.47	2.62	−0.02	2.55	−0.53	1.07	−2.09	*35.41*	−4.89
Athens	6.10	.....	2.66	.....	2.79	.....	1.55	.....	1.47	.....	3.36	.....	2.43	.....	.....	.....	.....	.....	.....	.....	1.92	.....	0.76	.....	.....	.....
Bluefield	6.66	+3.59	3.84	+0.91	3.41	+0.29	1.80	−1.31	1.66	−1.46	3.51	−0.72	1.97	−2.10	5.32	+1.71	3.21	+0.89	1.85	−0.92	2.23	+0.18	0.87	−2.01	36.27	−0.95
Bluestone Dam	5.89	....	1.83	.....	2.24	.....	1 22	.....	2.04	....	1.86	.....	1.49	.....	6.45	.....	2.70	.....	2.11	.....	1.82	.....	1.02	.....	30.67	.....
Charleston	4.66	+0.63	1.14	−2.17	1.65	−2.85	1.65	−2.22	2.92	−0.86	4.63	+0.24	3.59	−1.19	5.84	+1.37	5 83	+2.85	1.22	−1.82	1.86	−1.21	0.76	−2.88	35.75	−10.11
Charleston (Airport)	5.86	.....	1.19	.....	2.12	.....	2.51	.....	3.23	.....	4.95	.....	2.68	.....	4.70	.....	4.66	.....	1.39	.....	1.90	.....	1.02	.....	36.21	.....
Cranberry Glades	5.97	.....	1.56	.....	2.43	.....	1.89	.....	3.82	.....	4.15	.....	5.06	....	6.04	.....	3.06	.....	3.36	.....	3.11	.....	0.83	.....	41.28	.....
Flat Top	6.20	.....	2.52	.....	2.89	.....	1.60	.....	2.24	.....	2.91	.....	3.88	.....	8.55	.....	3.82	.....	1.83	.....	2.32	.....	1.45	.....	40.21	.....
Gary	7.44	+3.99	2.17	−0.97	2.90	−1.26	1.83	−1.66	2.17	−1.80	2.97	−2.10	3.14	−1.79	9.66	+5.55	3.19	+0.20	1.45	−1.45	1.71	−0.99	1.23	−2.14	39.86	−4.42
Hamlin	3 91	.....	1.03	.....	1.82	.....	2.01	.....	3.52	.....	6.28	.....	3.21	.....	3.50	.....	5.43	.....	0.82	.....	2.33	.....	*0.94*	.....	*34.80*	.....
Hinton	5.29	+2.03	1.80	−1.09	2.86	−1.04	1.74	−1.46	2.07	−1.48	1.82	−2.48	1.91	−2.16	6.16	+2.00	3.18	+0.49	2 29	−0.54	1.89	−0.52	1.23	−1.95	32.24	−8 20
Huntington	4.94	+1.15	1.06	−2 02	1.73	−2.49	2.23	−1.28	3.50	−0.47	7.71	+3.48	4.55	+0.25	3.30	−0.40	4.09	+1.64	1.71	−0.81	2.77	+0.25	1.05	−2.32	38.64	−3.02
Kayford	4.27	+0.05	2.52	−0.92	3.80	−0.84	1.31	−2.75	3.05	−1.35	2.84	−2.35	4.39	−0.78	5.03	+0.20	4.34	+0.96	2.29	−1.03	2.46	−0.69	1.08	−2.83	37.38	−12.33
Lewisburg	5 73	+2.38	1.77	−1.02	1.88	−1.76	1.73	−1.59	2.26	−1.10	3.05	−0.89	4.13	+0.24	4.85	−0.90	3.25	+0.56	2.20	−0.80	3.03	+0.55	1.53	−1.58	35 41	−4.11
Logan	5.64	+1.22	1.24	−2.26	2.67	−2.05	1.66	−2.49	3.31	−0.80	4.38	−0.51	2.38	−2.55	5.31	+0.82	4.70	+1.55	3.01	−0.04	2.26	−0.97	1.19	−2.91	37.75	−10.99
London Locks	4.55	+1.33	1.40	−1.79	2.28	−1.88	1.44	−1.87	4.32	+0.99	4.38	+0.08	3.04	−2.90	7.15	+2.86	4.22	+1.57	1.89	−1.03	2.85	−0.06	1.21	−2.00	38.73	−4.70
Madison	4.74	+0.64	1.41	−1.82	2.07	−2.11	1.72	−2.12	5.49	+1.16	4.62	+0.46	2.52	−2.81	5.24	+1 42	5.06	+1.60	1.38	−1.25	2.28	−0.37	0.94	−1.96	37.47	−7.16
Oak Hill	4.65	.....	1.87	....	2.88	.....	1.49	.....	2.43	....	3.20	.....	3.23	.....	5.83	.....	3.62	.....	2.65	.....	4.22	.....	1.10	.....	37.17	.....
Pineville	4 64	.....	2.01	....	2.89	.....	1.84	.....	2.30	....	3.89	.....	2.71	.....	6.81	.....	4 08	.....	1.33	.....	1.58	.....	1.32	.....	35.40	.....
Point Pleasant	5.18	+1.23	0.60	−2.55	1.68	−2.41	3.08	−0.23	6.77	+2.78	3.65	−0.43	4.33	+0.19	4.16	+0.95	2.97	+0.56	1.87	−0.94	2.35	−0 48	1.62	−1.88	38.26	−3.21
Rainelle	5.68	+1.47	3.27	−0.94	4.11	−1.44	2.32	−1.87	*3.07*	−1.40	2.80	−2.30	3.80	−1.99	4.67	−1.11	3.23	+0.11	1.74	−0.87	3.54	+0.55	1.60	−1.93	39.83	−11.72
Ravenswood (Dam 22)	4.10	+0.50	0.57	−2.40	1.48	−2.41	2.56	−0.60	2.92	−0.79	3.62	−0.52	3.15	−0 87	4 72	−1.37	3.15	+0.85	1.16	−1.63	2.64	−0.08	1.67	−1 65	31.74	−8.23
Richwood	3.53	−0.52	3 01	−1.11	3.42	−2.08	.....	.....	3.49	−1.21	4.26	−0.83	3.85	−2.99	9.26	+4.10	.....	.....	1.27	−1.58	..	.....	.....	.....	.....	.....
Ripley	4.76	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	4.40	.....	3 44	.....	0.95	.....	2.89	.....	1.64	.....	.....	.....
Spencer	4.53	+0.52	2.13	−1.02	2.71	−1.36	1.46	−1.93	3.30	−0.35	3.17	−1.34	2.90	−1.34	4.13	+0.16	4.13	+1.25	1.18	−1.98	4.38	+1.71	1.82	1.59	35 84	−7.27
Summersville	4.28	....	3.98	.....	.....	.....	.....	.....	2.40	....	3.34	.....	4.69	.....	5.62	.....	4 65	.....	.....	.....	3.64	.....	1.28	.....	.....	.....
Sutton	4.41	−0.13	1.67	−1.77	3.11	−1.23	1.75	−2.10	4.91	+0.55	2.81	−2.15	5.77	+0.44	3.35	−0.90	3.84	+0.49	1 86	−1.13	3.65	+0.45	0.74	−3.08	37.87	−10.56
Union	5.77	+2.62	1.60	−1.25	1.93	−1.62	1.53	−1.36	2.00	−1 20	3.36	−0.63	3.53	−0.26	8.72	+4.79	3.35	+0.80	1 88	−0.85	2.42	+0.08	1.04	−1.88	37.13	−0.76
Webster Springs	4.18	.....	1.71	.....	2.49	.....	2.33	.....	4.25	....	3.16	.....	7.34	.....	7.63	.....	3.61	.....	1.06	.....	3.15	.....	1.06	.....	41.97	.....
White Sulphur Springs	5.88	+2.55	2.01	−0.62	2.00	−1.57	2.00	−1.28	3.13	−0.34	2.49	−1.49	3.09	−0.83	5.41	+1 82	4.56	+1.72	2.54	−0.27	3.39	+1.11	1.27	−1.83	37.77	−1.03
Williamson	5.26	+1.31	1.29	−2.06	2.58	−1.96	1 64	−2.04	3.04	−1.04	3.53	−1.24	3.41	−1.02	8.83	+4.84	3.85	+0.86	1.51	−1.28	2 35	−0.47	1.25	−2.53	38.54	−6.63
Winfield Locks	5.02	....	0.96	.....	1.81	.....	1.47	.....	3.75	.....	4.31	.....	3.25	.....	5.56	.....	4.90	.....	1.07	.....	2.28	.....	1.03	....	35.41	.....
Average for State	**4.59**	**+1.03**	**1.64**	**−1 48**	**2.27**	**−1.63**	**2.11**	**−1.38**	**3.57**	**−0.43**	**3.80**	**−0.65**	**4.46**	**−0.15**	**4.65**	**+0.56**	**3.52**	**+0.55**	**1.48**	**−1.35**	**3.03**	**+0.27**	**1.36**	**−1.87**	**36.48**	**−6.51**

Italic figures indicate values interpolated from nearby stations.

Supplemental Monthly and Annual Precipitation for 1947, with Departures from Normal—Concluded

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.	Pre.	Dep.
Belington	4.31		2.08		2.26		2.17		3.56		5.53		4.38		6.73		4.17		1.47		2.72		1.55		40.93	
Big Skin Creek	3.84		1.70		1.95		2.19		4.50		4.71		5.97		1.96		5.12				3.04					
Camden-on-Gauley	4.70	+1.24	2.11	−0.88	2.59	−1.85	1.52	−2.25	2.99	−2.30	3.59	−1.48	6.38	+1.47	7.10	+1.63	3.33	−0.03	1.36	−1.66	3.24	−0.40	1.34	−2.80	40.25	−13.65
Coalwood	6.57		2.41		2.64		2.06		2.30		4.16		4.79		6.80		3.45		1.61		2.13		1.36		40.28	
Crawford	4.16	+0.68	1.62	−1.70	2.08	−2.25	2.30	−.193	4.57	+0.08	4.95	+0.18	7.74	+2.60	1.32	−3.26	6.14	+2.40	1.88	−1.61	3.28	−0.86	1.49	−2.10	41.53	−7.27
Dailey	3.87		1.31		2.22		1.82		3.53		4.71		3.78		4.98		3.60		1.77		2.48		1.35		35.42	
Elk	4.34		1.08		1.69		2.56		4.14		3.02		5.80		5.10		4.52		1.70		2.67		1.44		38.06	
Hackers Creek	3.57				1.39		2.14		3.80		4.33		6.42		2.59		5.04		1.50		2.51		1.45			
Hall	4.39		1.76		2.33		1.78		4.14		4.93		4.80		6.08		5.23		0.89		2.68		1.54		40.55	
Hogsett	5.38	+1.54	0.86	−2.07	1.55	−2.33	2.33	−0.94	2.75	−0.93	4.79	+0.76	3.69	−0.19	4.44	+1.28	3.44	+1.26	0.92	−1.71	2.06	−0.62	1.39	−1.87	33.60	−5.82
Isaacs Creek	5.01		2.13		2.32		1.84		4.16		3.60		6.10		3.02		5.00		1.22		2.65		1.65		38.70	
Jesse Run	4.05		2.60		2.00		1.90		4.46		5.70		8.38		2.91		3.85		1.56		2.80		1.72		41.93	
Knobly Mountain	2.97		1.32		1.02		1.59		2.33		2.56		4.58		5.17		1.61		0.85		3.83		0.70		28.53	
Midvale	4.77		2.21		2.92		2.50		5.63		7.74		5.17		5.17		5.09		1.48		2.50		1.73		47.11	
Morgantown Airport	3.47		0.91		1.67		2.09		4.33		3.95		6.49		4.15		3.64		0.91		2.74		1.72		36.07	
Mt. Clare	4.70		1.37		1.69		1.91		3.70		3.72		5.87		3.05		4.39		1.54		2.61		1.46		26.01	
Princeton	5.28		0.83		1.23		1.25		1.53		2.31		2.20		8.18		2.67		1.00		1.63		0.63		28.74	
Rockford	4.58		1.40		1.65		1.88		3.50		5.10		7.90		4.48		4.41		1.41		2.75		1.68		40.69	
Salem	4.92		1.52		1.82		1.52		3.66		3.46		9.58		2.40		5.50		1.58		3.46		1.66		41.08	
Sand Fork	4.49		1.96		2.39		2.16		4.71		4.90		6.75		2.20		5.72		1.74		3.45		2.64		43.11	
Shinnston	4.28		5.20		2.35		1.92		3.68		4.01		3.41		3.08		2.99		1.26		2.56		1.79		36.53	
Upper Davisson Run	4.22		5.85		1.83		2.28		2.59		2.61		6.19		2.28		5.12		1.33		3.10		1.61		39.01	
Valley Head	4.69		2.09		4.17		2.07		3.74		4.37		5.79		5.41		2.86		1.45		2.56		1.73		40.93	
Vandalia	4.13	+1.06					1.78	−1.92	4.26	+0.68	2.90	−0.91	6.96	+1.80	3.25	−0.95	6.07	+2.80								
Wayne	5.92	+2.16	1.07	−1.85	1.93	−2.67	2.41	−1.25	3.50	−0.08	7.21	+3.19	1.99	−2.60	4.27	+0.02	4.26	+1.17	1.69	−1.19	2.56	−0.50	1.02	−2.01	37.83	−5.61

Monthly and Annual Mean Temperatures for the Year 1947, with Departures from the Normal

STATIONS	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.	Temp.	Dep.
Panhandle Division																										
Bayard	34.8	+6.0	20.8	−8.8	27.7	−10.0	49.8	+6.1	55.2	−1.2	61.6	−1.9	63.8	−3.8	69.3	+3.5	60.0	−0.9	53.2	+4.0	36.6	−2.5	28 8	+0.7	46.8	−0.7
Inwood	39.8	+7.8	29.8	−3.9	36.6	−5.6	55.6	+4 3	62.2	−0.3	68.8	−2.4	72.5	−2.2	76.3	+3.7	67.4	+0.9	60.4	+5.3	43.3	−1.3	33.4	−2 0	53.8	+0.3
Kearneysville	39.0	+5.1	30.0	−3.9	36.8	−5.2	55.4	+4.1	62.2	−1.2	69.2	−2.7	72.4	−3.7	76.0	+1.7	67.2	−0.3	60.8	+5.9	42.8	−2.2	33.6	−1.7	53.8	−0.3
Martinsburg	36.8	+5.8	27.8	−3.6	35.6	−6.0	53.6	+2.0	60.8	−2.0	68.3	−2.7	71.6	−4.1	75.8	+2.8	66.0	−0.9	60.0	+5.3	41.9	−1.3	32.6	−1.4	52.6	−0.5
McNeill	38.4	+7.4	27.8	−1.5	34.1	−6.9	53.2	+1.4	59.2	−1.0	66.6	−1.2	68.4	−3.2	73.6	+2.3	65.6	−0.2	59.4	+5.3	42.4	+0.1	33.3	+0.7	51.8	0.0
Petersburg	38.9		27.8		35.7		55.8		61.3		68.4		71.7		77.0		66.4		60.6		42.1		34.2		53.3	
Piedmont	36.8	+5.9	26.4	−7.4	35.3	−5.9	55.5	+5.1	61.6	+1.6	68.0	−0.1	70.9	−1.4	75.8	+5.3	66.0	+0.3	60.6	+7.2	41.2	−1.0	33.0	0.0	52.6	+0.8
Romney	40.0	+8.5	29.2	−5.0	36.6	−5.8	57.2	+5.5	61.7	−1.2	69.1	−0.8	71.0	−3.9	76.5	+3.9	65.7	−1.1	60.4	+5.5	42.8	−0.3	33.8	−0.7	53.7	+0.4
Wardensville	36.1	+5.3	26.8	−7.0	33.6	−8.3	52.4	+2.8	59.0	−0.4	66.2	+0.7	69.7	−0.9	74.6	+5.1	64.8	+0.6	56.8	+4.2	40.5	−3.4	32.2	−1.5	51.1	−0.2
Northern Division																										
Benson	40.2	+6.1	25.2	−12.8	34.1	−5.9	57.4	+4.8	60.5	−0.3	69.3	+1.1	70.1	−2.4	76.9	+6.2	67.2	+0.3	61.2	+8.3	42 8	−0.3	34.0	−2.2	53.3	+0.3
Bens Run	39.4	+6.5	25.8	−7.0	35.4	−8.1	56.9	+4.1	62.0	−1.0	71.6	+0.8	72.6	−2.5	79.8	+6.2	68.9	+0.5	63.6	+7.0	42.5	−1.6	34.2	−0.6	54.4	+0.4
Brandonville	34.8		20.4		30.6		53.0		56.8		64 4		66.2		72.1		62 9		57.1		38.0		28.0		48.7	
Brownsville	40.1	+5.5	25.8	−11.8	34.3	−7.6	57.4	+5.1	59.6	−2.0	68.2	−1.3	69.8	−4.0	75.6	+3.4	67.4	−0.2	60.1	+5.5	43.0	−1.6	34.7	−1.9	53.0	−0.9
Buckhannon	39.8	+7.3	23.3	−9.8	32.8	−9.1	56.0	+4.9	59.1	−2.0	67.2	−1.2	67.6	−4.2	74.1	+4.2	65.4	+0.9	60.0	+6.2	41.2	−1.1	33.0	−1.2	51.6	−0.4
Cairo	40.0	+5.6	25.9	−8.3	35.6	−8.7	57.5	+3.5	60.7	−2.4	70.0	−0.3	69.9	−4.4	76.9	+4.4	67.2	−0.9	62.4	+6.6	42.2	−1.5	33.4	−1.3	53.5	−0.6
Canaan Valley	35.0		18.8		26.2		50.2		54.5		61.2		62.4		66.6		59.4		52.8		36.1		29.2		46.0	
Clarksburg	37.8	+5.2	23.4	−11.2	32.0	−7.7	52.9	+1.7	59.2	−1.1	68.4	−1.0	69.0	−4.8	75.6	+3.6	65.6	−1.9	59.6	+6.2	41.0	−1.8	31.4	−3.8	51.3	−1.4
Creston	40.0	+5.9	26.4	−8.3	35.4	−8.6	58.5	+5.1	60.6	−2.5	69.2	−1.5	70.1	−4.6	77.9	+4.8	67.4	−0.4	60.8	+5.1	42.2	−2.0	33.8	−1.5	53.5	−0.7
Dam 10, Mon. R.	38.7		24.6		34.6		54.9		61.2		69.9		71.4		77.2		68 4		62.4		42.2		32.8		53.2	
Elkins	37.6	+7.6	21.4	−9.6	30.7	−8 4	52.8	+5.4	57.2	−0.5	65.0	−0.6	66.0	−3.8	72.2	+3 9	63.4	+1.5	57.6	+6.5	39.4	+0.1	32.0	+0.3	49.6	+0.2
Fairmont	40.3	+8.1	25.2	−7.9	35.0	−6.5	56.8	+5.0	61.5	−0.6	69.8	−0.5	70.5	−3.8	76.8	+4.1	67.2	−0 2	61.8	+6.7	41.6	−1.3	33.7	−0.3	53.4	+0.3
Glenville	43.0	+9.2	29.8	−4.8	37.6	−7.1	60.2	+6.3	61.8	−1.8	70.2	−0.9	70.4	−4.9	77.0	+3.1	67.8	−0.7	61.6	+5.4	43.4	−0.9	34.6	−1.3	54.8	+0.2
Grafton	39.0	+6.4	23.4	−9.2	33.2	−8.3	54.2	+2.7	58.4	−3.1	66.2	−2.9	67.8	−4.8	73.6	+2.2	64.8	−2.3	59.0	+4.0	40 6	−2.5	32.1	−2.1	51.0	−1.7
Harrison County Airport	38.4		23.2		32.4		54.0		58.6		68.2		68.6		74.5		65.2		59.8		39.9		31.5		51 2	
Kumbrabow St. Forest	35.2		19.0		26.8		50 6		53.6		60.9		61.4		67.6		60.8		54.8		36.4		29.6		46 4	
Mannington	38.6	+6.7	24.3	−8.5	33.7	−8.6	54.4	+3.3	59.6	−0.8	68.2	+0.4	69.1	−2.7	75.2	+5.0	65.6	+0.7	60 0	+6.4	40.8	−1.2	31.1	−2.5	51.7	−0.2
Middlebourne	38.9		21.9		34.6		55.5		60.6		69.6		69.8		76.9		66.2		61.2		41.6		33.2		52.8	
Morgantown	36.7	+4.4	20 9	−11.9	33.8	−8.3	56.4	+4.7	61.4	−0.7	69.6	+0.3	70.5	−3.0	76.2	+4.2	67.6	+0.1	63.2	+8.0	42.8	−1.0	34.4	0.0	52.8	−0.3
New Cumberland	37.4	+8.8	25.1	−4.0	34.5	−4.9	52.8	+3.6	58.8	−1.4	68.8	+0.6	70.6	−2.4	76.6	+5.8	66.4	+0.9	59.8	+5.8	40.6	−1.0	31.9	+0.2	51.9	+1.0
New Martinsville	38.8	+5.7	25.6	−7.9	35.6	−7.7	56.5	+3.4	61.4	−1.6	71.2	+0.1	71.6	−3.6	78.4	+4.7	68.6	+0.1	62.8	+6.0	42.5	−2.3	33.2	−2.1	53.8	−0.5
Parkersburg	39.8	+7.3	26 4	−7.8	36.2	−6.6	56.3	+2.9	61.4	−2.4	71.2	−0.2	71.3	−4.1	78.7	+4.8	68.0	+0.7	63.5	+7.4	43.0	−0.8	35.5	+0.3	54.3	+0.1
Parsons	37.0	+2.5	22.0	−9.7	31.6	−8.9	54.7	+5.5	59.6	+0.8	66.6	−0.3	68.3	−2.5	73.9	+4.5	65.6	+1.9	59.6	+8.1	41.0	−0.2	32.4	+0.1	51.0	+0.1
Rowlesburg	37.0		22.8		31.7		51.5		58.8		67.8		69.4		75.6		66.4		60.6		40.4		31.6		51.1	
Valley Chapel	41.8	+6.7	27.0	−11.5	36.4	−6.1	58.4	+5.3	62.6	+1.0	70.3	+0.7	70.8	−3.2	78.2	+5.7	69.8	+1.8	65.4	+10.0	44.2	−0.8	36.6	−0.9	55.1	+0.7
Wellsburg (near)	36.8	+6.6	23.3	−6.7	33.4	−6.4	52.8	+3.2	58.8	−1.4	69.8	+1.8	69.8	−2.4	77.4	+7.1	66.8	+1.9	59.3	+5.8	40.4	−1.4	32.1	−0.3	51.7	+0 6
Wheeling (Dam 12)	36.5	+6.1	24.1	−8.0	33.8	−6.7	51.9	+0.3	59.0	−2.8	68.8	−1.8	71.0	−3.8	77.8	+5.0	67.7	+0.3	62.0	+7.1	40.9	−1.3	32.0	−0.6	52.2	−0.4
Southern Division																										
Athens	39.5		25.4		32.3		54.7		59.0		64.8		65.6		74.0	+3.5	66.4	+0.2	59.6	+3.9	40.8		35.7			
Bluefield	41.6	+6.7	26.5	−8.3	33.8	−10.6	58.0	+4 4	61.8	+0.2	68.6	−1.5	68.2	−3.4	78 0		69.4		61.8		42.6	−2.3	37.5	+0.6	53.2	−0.6
Bluestone Dam	39.2		27.4		35.0		56.7		63.0		70.8		72.0		79.4		68.6		64.2	+5.3	43.6		35.0		54.3	
Charleston	41.6	+3.7	27.8	−11.4	37.4	−10.0	61.0	+4.7	63.7	−1.7	72.2	−0.9	72.7	−4.2	80.8	+5.5	72.4	+1.5	64.2	+5.3	44.6	−3.3	36.0	−3.6	56.2	−1.2
Coalwood	42.0		27.7		36.7		59.6		62.2		70.2		70.2		76.8		68.6		64.2		45.5		37.8		55.0	
Cranberry Glades	34.1		22 9		26.2		49.8		53.2		60.4		60.2		67.0		58 0		60.6		31 7		28.3		46 0	
Flat Top	36.4		21.0		28.6		52.8		56.4		63.4		63.7		69.8		61.5		55.8		36.7		32.8		48.2	
Gary	40.8	+5.7	26.1	−11.5	35.2	−7.3	57.7	+4.3	61.2	+0.1	69.6	+0.3	69.4	−3.7	76.1	+4.1	67.3	−1.2	60.9	+5.3	43.4	−1.6	36.7	−1.1	53.7	−0.6
Hamlin	39.8		27.6		35.6		57.4		61.8		70.4		71.0		78.6		68.7		61.8		42.8		34.6		54.2	
Hinton	40.8	+6.3	27.8	−7.7	35.3	−8.8	58.0	+4.8	64.4	+1.0	71.9	+1.4	71.7	−2.7	78.7	+5.4	69.1	+1.1	62.2	+5.2	44.0	−0.1	36.4	+0.6	55.0	+0 5
Huntington	43.2	+9.2	29.7	−5.0	38.9	−6.1	60.4	+5.8	64 5	−0.2	72.9	0.0	73.4	−3.2	79.7	+4.9	71.4	+2.4	65.1	+8.7	45.8	+1.5	37.5	+1.9	56.9	+1.7
Lewisburg	38.0	+5.6	25.2	−8.1	32.8	−9.3	55.0	+4.5	59.3	−0.8	66.0	−1.2	67.2	−3.8	73.2	+3.8	64.4	+0.1	58.2	+5.0	41.6	−0.3	31.0	+0.8	51.2	−0.4
Logan	42.3	+3.3	28.6	−10.9	36.8	−10.3	60.6	+3.3	64.2	−2.8	72 4	−1.2	73.2	−2.8	79.8	+4.8	71.0	+0.6	64.0	+3.9	45.8	−1.5	38.6	−0.5	56.1	−1.5
London Locks	40.3		27.4		35.0		57.4		61.8		70.2		71 3		77.8		69.1		62.2		44.2		36.0		54.4	
Madison	40.6	+4.0	27.0	−9.6	35.8	−6.9	59.2	+4.9	62.6	−1.2	70.7	−1.6	71.1	−3.7	78.0	+3.6	68.9	+1.2	62.2	+6 6	44.2	+0.7	34.9	−0.1	54.6	−0.2
Oak Hill	37.6		23.8		31.4		54.6		59.4		66.9		67.1		73.7		64.8		57.3		40.0		34.6		50.9	
Pineville	38.3		26.8		32.3		55.4		59.6		67.6		67.8		74.7		66.4		59.2		41.6		33.6		52 0	
Point Pleasant	42.0	+7.9	28.4	−5.0	38.4	−6.8	60.0	+5.1	63.6	−1.1	72.0	−0.4	72.3	−4.1	79.6	+4.9	70.6	+4.7	63.8	+6.6	45.0	−0 3	36.4	+0.6	56.0	+1.0
Rainelle	36.7	+4.3	21.9	−11.6	31.6	−7.7	55.3	+7.1	58.0	−0.1	66.6	+1.1	66.2	−3.3	73.6	+5.3	65.2	+2.3	57.5	+6.7	39.8	−0.5	33.3	+0.1	50 5	+0.3
Ravenswood (Dam 22)	42.5	+7.1	28.6	−10.2	36.6	−6.7	58.0	+4.2	61.8	−0.1	70.8	+0.3	70.6	−4.5	78.6	+5.7	69.0	−0.4	64.2	+7.9	44.2	−1.5	35.4	−2.5	55 0	−0.1
Richwood	35.8	+1.4	20.2	−14.3	30.6	−10.2			56.2	−4.0	63.8	−4.6	65.3	−6.5	71.8	+1.4	64.6	−0.1	57.2	+4.5						
Ripley	41.2														78.8		69.4		62.6		43.2		34.1			
Spencer	40.2	+6.5	24.6	−10.6	34.2	−8.7	58.0	+5.2	60.9	−1 1	69.4	−0.3	69.4	−4.2	76 4	+4.1	66.3	−0.2	61.6	+6.7	42.2	−1.9	33.2	−3.3	53.0	−0.6
Summersville	36.8		21.2		30.6		53.2		57.2		64.7		65.2		73.0		62.6				38.8		32.6			
Sutton	43.4	+9.1	27.8	−8.3	36 2	−8.0	59.0	+6.2	62.5	−0.8	71.2	−0.1	72.0	−2.8	78.2	+5.1	69.6	+0.9	63.0	+6.3	43.8	−0.2	35.2	0.0	55.2	+0.7
Union	37 2	+3.9	23.8	−11.4	31.9	−11.5	53.4	+1.6	59.2	−1.7	66.2	−1.6	67.0	−4.6	73.0	+2.8	64 2	−1.9	57.1	+2.7	39.9	−2.5	32.2	−1.8	50.4	−2 2
Webster Springs	41.4		26.0		34.9		59.0		61.6		69.2		68.6		74.7		67.2		61.2		43.4		36.0		53 6	
White Sulphur Springs	40.0	+7.9	26.8	−8.7	34.4	−8.2	55.7	+4.3	60.4	−0.1	66.4	−1.6	67.2	−4.4	72.7	+2.4	63.2	−1.7	57.6	+5.2	41.2	−0.9	33.6	+0.5	51.6	−0.4
Williamson	42.3	+6.3	29.0	−8.4	37.0	−9.7	60.3	+4.8	64.2	−0.8	72.6	0.0	73.1	−3.0	80.2	+5.4	71.6	+1.9	65.2	+7.4	46.4	+0.8	38.4	+0.8	56.7	+0.5
Winfield Locks	39.5		26.6		35.0		56.0		62.0		70.7		71.4		79.0		69.2		63.6		43.8		35.0		54.3	
Average for State	**39.0**	**+6.3**	**25.5**	**−7.8**	**34.1**	**−8.3**	**55.7**	**+3.8**	**60.1**	**−1.6**	**68.3**	**−1.5**	**69.2**	**−3.9**	**75.8**	**+4.0**	**66.6**	**+0.8**	**60.6**	**+5.8**	**42.0**	**−1.8**	**33.9**	**−0.7**	**52.6**	**−0.4**

Reference letters indicate number of days missing, for example, [b] 2 days, etc. Italic figures indicate values interpolated.

MONTHLY EVAPORATION FOR 1947

Station		Apr.	May	June	July	Aug.	Sept	Oct.
Clarksburg	Evaporation, inches	4.672	4.507	4.958	5.225	3.616	3.210	1.880
	Wind movement, miles	3,373	2,266	1,457	1,331	907	1,314	1,005
Wardensville	Evaporation, inches	5.148	5.426	5.981	6.722	6.311	4.421	3.594
	Wind movement, miles	2,136	1,532	903	764	563	732	623

MONTHLY STATE DATA FOR 1947

Month	Temperature				Precipitation in inches				Sky			Prevailing wind
	Average	Departure	Highest	Lowest	Average	Departure	Average snowfall	Number of rainy days	Clear	Pt. cloudy	Cloudy	
January	39.0	+6.3	78	−6	4.59	+1.03	6.9	14	6	9	16	w.
February	25.5	−7.8	67	−9	1.64	−1.46	21.9	11	6	7	15	w.
March	34.1	−8.3	76	−7	2.27	−1.63	17.9	13	7	9	15	w.
April	55.7	+3.8	92	17	2.11	−1.38	T.	11	11	9	10	w.
May	60.1	−1.6	96	14	3.57	−0.43	T.	14	12	10	9	w.
June	68.3	−1.5	100	31	3.80	−0.65	0.0	10	11	10	9	w.
July	69.2	−3.9	100	30	4.46	−0.15	0.0	13	12	11	8	w.
August	75.8	+1.0	101	39	4.65	+0.56	0.0	11	14	12	7	w.
September	66.6	+0.3	99	20	3.52	+0.55	0.0	8	14	10	6	w.
October	60.6	+5.8	92	14	1.48	−1.35	0.0	7	15	7	9	w.
November	42.0	−1.3	74	3	3.03	+0.27	1.0	11	7	6	17	w.
December	33.9	−0.7	73	−4	1.36	−1.87	2.6	7	11	7	13	w.
Annual	52.6	−0.1	101	−9	36.48	−6.51	50.3	130	124	107	134	w.

KILLING FROSTS—1947§

Stations	Last in Spring	First in Autumn	Stations	Last in Spring	First in Autumn
Aberdeen	May 10	Sept. 28	London Locks	May 12*	Nov. 13*
Arbovale	May 10	Sept. 23	Madison	May 11*	Oct. 1*
Athens	May 11	‡	Mannington	May 12	Sept. 27
Bayard	May 31	Sept. 23	Martinsburg	May 9	Sept. 27
Benson	May 12	Sept. 28	McNeill	May 11	Sept. 27
Bens Run	May 10	Nov. 10	Middlebourue	May 11	Sept. 27
Bluefield	May 10	Sept. 23	Morgantown	May 10	Oct. 1
Bluestone Dam	May 11	Oct. 2	New Cumberland	May 11	Nov. 2
Brandonville	May 12*	Sept. 23*	New Martinsville	May 9	Oct. 1
Brownsville	May 11	Sept. 27*	Oak Hill	May 10*	Sept. 27*
Buckhannon	May 12	Sept. 27	Parkersburg	May 10	Oct. 2
Cairo	May 11	Sept. 27*	Parsons	May 10	Sept. 23
Canaan Valley	May 31	Sept. 23	Petersburg	May 11	Sept. 28
Charleston	May 11*	Oct. 1*	Piedmont	May 11	Sept. 27
Charleston (Airport)	May 11*	Oct. 1*	Pineville	May 11*	Sept. 28*
Clarksburg	May 11	Oct. 1	Point Pleasant	May 10*	Sept. 23
Coalwood	May 11*	Sept. 28*	Princeton	May 9	Sept. 27
Cranberry Glades	July 24*	Sept. 23	Rainelle	May 31*	Sept. 23*
Crawford	May 11	Sept. 28	Ravenswood	May 10	Oct. 10*
Creston	May 11	Oct. 1	Richwood	May 31*	Sept. 23*
Elkins	May 11	Sept. 28	Rockford	May 12	Sept. 26
Fairmont	May 10	Sept. 27	Romney	May 11	Sept. 28
Flat Top	May 11*	Sept. 23*	Rowlesburg	May 12	Sept. 27*
Gary	May 11	Oct. 1	Salem	May 11	Sept. 23
Glenville	May 11	Oct. 1	Spencer	May 11	Sept. 27
Grafton	May 12	Sept. 23	Summersville	May 30*	Sept. 22*
Hamlin	May 11*	Sept. 27*	Sutton	May 12*	Oct. 1
Harrison Co. Airport	May 11*	Sept. 23*	Union	May 11	Oct. 1
Hastings	May 10	Oct. 1	Valley Chapel	May 11	Oct. 1
Hinton	May 10	Nov. 13	Wardensville	May 12	Sept. 28
Huntington	May 11	Nov. 13	Webster Springs	May 11*	Oct. 1*
Inwood	May 10	Sept. 29	Wellsburg	May 12	Sept. 27
Jane Lew	May 12	Sept. 27	Weston	May 11*	Sept. 28*
Kearneysville	May 11*	Sept. 27*	Wheeling (Dam 12)	May 12	Oct. 2
Kumbrabow State F'st.	May 31	Sept. 23	White Sulphur Spgs.	May 12	Sept. 28
Lewisburg	May 11	Oct. 1	Williamson	May 12*	Nov. 13*
Logan	May 11	Nov. 13	Winfield Locks	May 11	Oct. 1

§ Where frost was not recorded (*) indicates last or first temperature of 32° or lower.
‡ No record.

COMPARATIVE ANNUAL DATA FOR WEST VIRGINIA

Year	Temperature			Average Precipitation, inches					Number of days			
	Mean	Highest	Lowest	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With precip.01 inch or more	Clear	Partly Cloudy	Cloudy
1891	52.0	94	−9	33.90	50.60	42.37	45.96	.....	.....	.....	.....	.....
1892	52.3	99	−12	32.70	41.43	37.06	38.33	.....	.....	.....	.....	.....
1893	52.0	99	−25	36.26	39.68	41.40	39.82	.....	116	.....	.....	.....
1894	53.5	103	−29	34.78	36.51	30.38	34.52	.....	102	155	114	96
1895	51.5	107	−21	32.18	31.53	34.38	32.82	.....	100	150	111	104
1896	53.6	97	−10	35.43	46.66	41.84	43.49	.....	111	132	128	106
1897	53.5	103	−18	35.02	46.15	40.47	41.59	.....	116	141	113	111
1898	53.9	103	−13	41.63	52.60	45.04	47.61	20.6	117	133	129	103
1899	53.0	100	−35	35.89	45.00	42.84	40.97	36.1	108	142	107	116
1900	54.3	104	−11	30.88	38.43	43.28	37.62	30.6	114	135	116	114
1901	52.0	104	−11	42.34	44.47	49.42	44.78	28.2	116	128	95	142
1902	52.8	104	−14	38.59	44.22	42.74	42.19	49.1	112	128	118	119
1903	52.2	105	−19	36.24	43.36	39.19	40.55	29.3	112	151	102	112
1904	51.4	98	−20	31.40	34.09	33.02	33.33	31.7	111	148	110	108
1905	52.3	100	−22	40.10	46.19	43.53	45.53	35.3	117	144	102	119
1906	54.0	101	−11	40.20	45.76	44.95	44.36	40.2	130	134	101	130
1907	52.1	98	−23	44.63	55.93	52.03	52.15	35.0	138	128	102	135
1908	53.6	101	−16	36.47	41.15	42.32	40.47	38.0	116	155	110	101
1909	53.0	101	−10	35.01	45.75	41.18	43.02	30.3	126	143	109	113
1910	52.3	98	−11	32.68	39.34	42.53	38.60	47.4	118	140	103	122
1911	54.5	106	−5	42.58	49.41	46.15	47.13	23.2	131	140	97	128
1912	51.7	100	−34	37.52	45.46	45.38	43.83	33.9	124	159	81	126
1913	54.1	103	−4	44.56	51.87	46.41	48.29	31.6	122	162	79	124
1914	52.2	106	−22	34.41	41.40	39.38	39.71	67.7	116	153	81	131
1915	52.7	101	−8	39.68	45.79	43.04	44.14	29.4	125	146	84	135
1916	52.5	104	−18	37.52	48.75	45.10	45.52	43.9	121	157	92	117
1917	50.1	104	−37	34.81	45.21	45.87	43.56	54.6	123	163	74	128
1918	53.1	110	−27	39.60	46.08	46.42	45.28	37.7	122	160	83	122
1919	54.0	104	−16	33.28	49.49	50.86	47.89	16.8	118	164	78	123
1920	51.8	99	−11	38.60	43.96	42.12	42.04	25.7	120	147	75	144
1921	55.7	101	−10	34.72	50.46	44.02	45.46	22.4	122	145	93	127
1922	53.9	100	−15	30.34	42.71	43.31	41.30	25.8	117	164	68	133
1923	52.8	102	−20	31.11	49.17	44.79	45.04	23.9	125	161	73	131
1924	50.7	104	−16	40.76	49.32	46.90	47.21	36.1	129	154	79	133
1925	52.8	104	−27	33.21	44.16	38.87	40.57	31.1	124	147	85	133
1926	51.6	107	−23	42.96	52.52	47.71	49.60	49.4	139	126	81	158
1927	53.7	100	−14	40.42	52.73	47.25	49.14	26.6	138	138	77	150
1928	52.3	103	−14	39.78	44.89	41.85	43.29	45.8	134	136	82	148
1929	52.7	104	−19	41.45	47.46	47.78	46.77	44.5	132	142	77	146
1930	53.2	112	−21	23.10	26.98	24.81	25.43	34.2	107	164	79	122
1931	54.7	108	−10	34.38	43.28	42.36	42.36	18.5	132	146	82	137
1932	54.0	106	−12	40.04	43.66	45.50	43.86	16.5	119	163	82	121
1933	54.4	104	−12	41.45	51.80	46.79	48.65	24.2	136	147	93	125
1934	53.5	107	−26	33.71	38.26	37.90	37.61	37.8	113	163	86	116
1935	53.0	101	−23	40.29	52.33	52.64	51.13	41.3	145	130	90	145
1936	53.3	112	−31	42.24	44.35	39.20	42.22	51.0	120	158	89	119
1937	52.9	101	−9	48.59	52.60	46.37	49.76	33.1	148	131	93	141
1938	54.5	103	−10	34.65	42.89	44.13	42.38	21.8	132	144	97	124
1939	54.4	103	−7	38.70	46.76	40.53	43.37	25.5	126	151	104	110
1940	51.4	103	−24	39.19	48.22	40.97	44.53	37.4	141	119	110	137
1941	53.4	105	−11	29.51	39.45	33.72	35.97	27.8	115	145	106	114
1942	53.0	103	−23	43.95	50.84	47.24	48.42	41.9	136	120	114	131
1943	52.5	105	−17	30.89	44.05	38.99	40.08	34.9	126	136	110	119
1944	53.0	105	−15	37.64	50.03	41.02	44.78	42.1	135	132	107	127
1945	53.0	102	−14	42.63	55.19	46.42	50.37	31.1	139	128	109	128
1946	54.4	100	−18	30.95	39.55	35.91	36.60	18.2	118	145	103	117
1947	52.6	101	−9	29.14	40.00	36.68	36.48	50.3	130	124	107	134
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
Period	53.0	112	−37	36.90	45.14	42.69	42.99	33.4	124	144	97	124

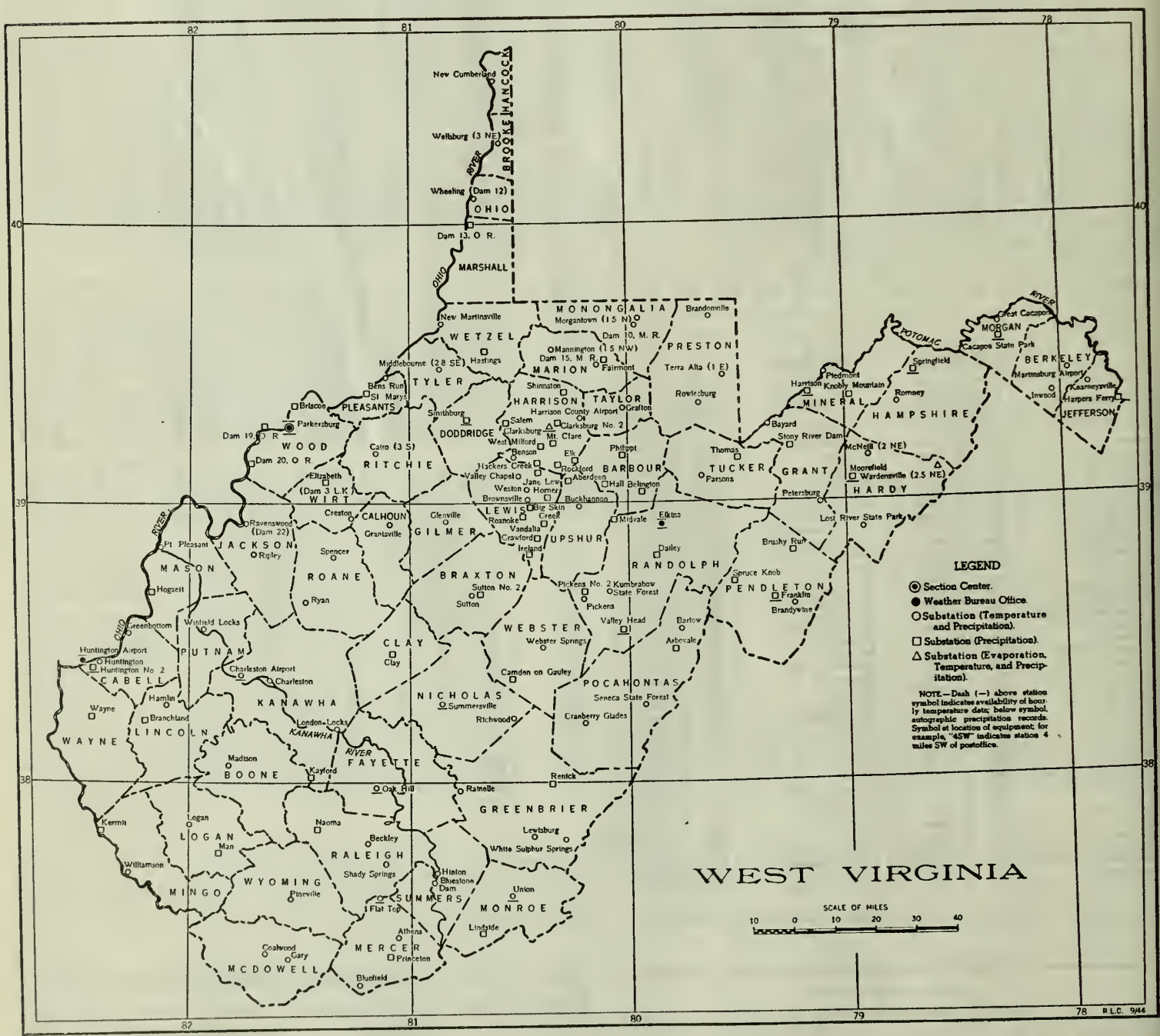
(Continued from page 49)

with high yields reported. Buckwheat harvest was completed with good yields obtained. The apple harvest was completed with about a one-half crop, quality fair, size small, and color poor—in most orchards. Dry soil made growth of pasture and meadow grasses slow and also delayed wheat seeding.

NOVEMBER.—Precipitation was distributed rather evenly throughout the month. The northeastern panhandle division, which had been suffering the most from dry weather, had the largest rainfall amounts. Temperatures averaged somewhat below normal. No storm damage was reported although Elkins Airport had considerable wind on the 24th with gusts as high as 64 m.p.h. attending the passage of a cold front.

DECEMBER.—This was a very dry month with substantial amounts of snow in but a few places—mostly on the higher elevations. Temperature averaged slightly below normal. Crop conditions remained good in most places. Trees and bushes were dormant throughout the month, but grasses became dormant only at the close.—*C. L. W.*

CHART SHOWING LOCATION OF OBSERVATION STATIONS



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CLIMATOLOGICAL DATA

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VOL. LVI JANUARY 1948 No. 1

GENERAL SUMMARY

This was the fifth coldest January of record. The mean temperature of 24.4° was 8.2° below normal. No station reported a plus departure while stations in Calhoun, Jackson, Ritchie, Roane and Wirt counties reported minus departures exceeding 11°. Below-zero temperatures were reported at practically all stations at some time during the latter half of the month.

Precipitation, while averaging within one-half inch of normal, was unevenly distributed. The north-central part of the northern division averaged three-fourths inch above normal; several stations in the northeastern panhandle also had plus departures; the remainder of the State averaged below normal in precipitation. An area comprising Boone, Logan, Monroe, Raleigh, Summers and parts of Greenbrier and Mingo counties averaged slightly more than 1.50 inches deficiency in precipitation. Heavy rains on the 1st and 2d caused small streams in the northwest part of the State to overflow.

The average amount of snowfall, 17.9 inches, was the third greatest of record, being exceeded by the 22.0 inches recorded in 1905 and the 21.5 inches in 1918. Moderate to heavy snows on the 22d-24th blocked traffic temporarily in the mountain districts. Snow beginning on the last day of January, and continuing into the next day, was heavy in most sections of the State and caused suspension of bus services and made automobile travel hazardous.

Snow and low temperatures hindered outdoor activities. Farm work remained on winter routine. Snow cover was adequate to protect winter grains and the grasses during the subzero weather of the latter half of the month. Water supplies for the cities became low because of frozen ground preventing normal run-off and ground seepage. Ice in the Ohio River caused suspension of navigation on the 24th. Ice thickness increased throughout the remainder of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 67 stations, was 24.4°, or 8.2° below the normal. The mean for the northeastern panhandle division was 25.3°; for the northern division, 23.1°; and for the southern division, 25.4°. The highest monthly mean was 30.3° at Alderson; and the lowest, 18.4° at Summerville. The highest temperature was 70° at Coalwood and Williamson on the 1st; and the lowest, −25° at Mannington on the 28th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 98 stations, was 3.06 inches, or 0.50 inch below the normal. In the northeastern panhandle division, the average was 2.59 inches; in the northern division, 3.77 inches; and in the southern division, 2.55 inches. The greatest monthly precipitation was 5.85 inches at Creston, and the least, 1.43 inches at Beckley. The greatest amount in any 24 consecutive hours was 2.21 inches at Fink Run on the 1st. The average monthly snowfall was 17.9 inches, or 9.7 inches above the normal. The greatest monthly snowfall was 49.5 inches at Pickens No. 2. The average number of days with 0.01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	1	..	1	4	1	..	1	..	..	..	..	1	4	..	..	..	1	..	1	..	..	..	..	..	1	2	..	1	..	..
Gales	1	3	..	2	..	2	2	..	5	2	1	2	1	1	..	..	..	1	..	..	..	8	1	6	..	..	..	..	..	..	1
Hail	5	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Halos, solar	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1
Sleet	..	5	6	2	12	1	1	..	..	1	1	2	2	..	..	1	..	..	..	..	..	1	..	1	..	..	..	..	..	..	8
Thunderstorms	33	9	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.60*	26*	29.21*	1*	10.1	32	s.	1	87	70	74	49	1324
Elkins*	30.64	11	29.28	1	7.0	34	nw.	22	88	66	75	38	1343
Huntington*	30.62	11	29.26	1	.....	22	s.	12	81	65	72	....	1252
Parkersburg	30.61	26	29.23	1	6.5	22	sw.	1	86	66	72	41	1257
Petersburg, W.Va.	30.60	26	29.36	22	.....	30	w.	9	83	55	65	....	1227
Pittsburgh, Pa*	30.56	11	29.26	1	10.6	30	nw.	9	80	63	67	41	1343

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR JANUARY

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	31.7	.....	.....	3.24	4.23	3.24	3.64	.....	.....	.....	.....	.....
1892	29.4	76	−3	2.95	3.57	2.66	3.15	.....	11	.....	.....	.....
1893	22.6	71	−25	2.26	2.87	2.02	2.49	.....	12	7	7	17
1894	36.6	70	−8	2.25	2.73	2.01	2.41	.....	9	12	8	11
1895	25.0	69	−21	4.20	4.64	4.63	4.48	.....	13	6	9	16
1896	32.4	72	−6	1.62	1.70	1.39	1.57	1.8	15	9	8	14
1897	28.8	69	−18	1.50	1.87	1.56	1.70	4.0	9	10	7	14
1898	37.1	75	−5	4.32	6.06	4.75	5.10	5.9	12	6	9	16
1899	32.1	70	−21	3.32	4.43	4.34	4.05	7.5	11	10	7	14
1900	34.5	74	−10	2.65	2.29	2.45	2.24	1.9	10	9	8	14
1901	33.6	69	−4	1.81	2.45	2.57	2.41	7.3	10	8	7	16
1902	30.2	64	−1	3.30	3.18	4.36	3.65	9.8	9	9	7	15
1903	31.8	79	−7	3.16	3.33	3.11	3.21	8.6	11	8	7	16
1904	27.5	72	−18	2.70	2.83	2.77	2.72	10.8	11	9	8	14
1905	26.4	70	−14	2.76	3.33	3.07	3.15	22.0	13	7	7	17
1906	38.2	80	−5	3.29	3.55	4.35	3.79	5.1	9	11	7	13
1907	38.7	76	−15	5.38	7.75	5.93	6.41	5.6	14	6	7	18
1908	31.0	62	−16	2.48	2.67	2.98	2.92	12.8	11	12	7	12
1909	36.8	76	−5	3.00	3.91	3.12	3.41	8.7	12	8	6	17
1910	32.0	67	−5	4.97	7.04	4.75	5.68	15.4	11	6	6	19
1911	37.3	71	−5	5.58	6.35	5.59	5.86	7.0	14	8	6	17
1912	23.5	66	−34	1.94	2.58	2.88	2.60	13.6	10	7	8	16
1913	40.7	74	9	5.75	7.23	5.94	6.23	5.7	13	9	6	16
1914	35.8	83	−11	3.53	3.22	3.02	3.18	15.6	10	7	6	18
1915	31.7	68	−8	4.57	5.19	4.71	4.85	10.4	13	8	6	17
1916	38.8	79	−10	4.00	5.65	4.69	4.86	6.1	13	11	7	13
1917	33.2	77	−9	3.15	5.16	4.66	4.66	8.3	12	11	6	14
1918	20.7	55	−27	3.75	4.13	4.50	4.24	21.5	14	8	5	18
1919	34.1	69	−16	2.19	3.74	4.37	3.79	6.9	8	16	4	11
1920	28.7	77	−11	4.16	4.04	4.84	4.12	3.9	11	8	6	17
1921	35.5	71	−2	1.91	3.63	2.47	2.76	4.3	9	11	6	14
1922	30.2	68	−15	2.41	2.86	2.75	2.75	10.8	11	12	6	13
1923	35.2	68	−1	2.54	4.90	4.56	4.46	4.1	14	7	5	19
1924	30.1	70	−15	4.23	5.21	4.27	4.62	1.8	10	13	5	13
1925	31.1	63	−27	3.89	3.98	3.68	3.81	15.8	13	11	4	16
1926	29.7	66	−23	3.26	3.68	4.08	3.71	13.3	11	8	5	18
1927	32.5	74	−14	3.81	4.79	3.66	4.08	5.9	14	6	5	20
1928	32.0	74	−14	2.07	2.23	2.32	2.18	4.0	8	11	7	13
1929	31.4	75	−19	2.47	3.10	2.93	2.92	6.1	12	7	5	19
1930	34.0	80	−13	1.75	1.96	1.88	1.86	7.0	12	8	6	17
1931	33.7	71	−10	1.16	1.42	1.39	1.37	3.6	8	10	7	14
1932	43.4	82	7	3.18	5.18	4.79	4.82	0.3	13	9	6	16
1933	39.8	79	1	2.77	3.32	4.59	3.73	1.2	12	12	6	13
1934	36.7	71	−15	1.96	3.38	2.16	2.75	1.6	11	10	6	15
1935	33.3	74	−23	4.16	4.58	4.47	4.48	9.7	12	11	5	15
1936	26.7	64	−31	3.96	4.02	4.02	4.01	16.6	16	6	7	18
1937	43.2	78	11	5.72	9.25	8.55	8.50	0.6	17	6	6	19
1938	33.5	77	−2	1.52	2.27	2.34	2.22	4.2	11	7	7	17
1939	36.4	80	7	3.22	3.66	3.65	3.59	11.0	14	8	7	19
1940	20.5	62	−24	1.41	1.42	1.48	1.44	14.5	12	7	7	17
1941	32.5	66	−6	2.15	3.03	2.59	2.73	5.1	12	5	7	19
1942	30.7	67	−23	1.64	2.09	2.10	2.02	5.6	8	10	8	13
1943	35.6	80	−9	3.28	3.78	3.03	3.43	13.4	14	6	9	16
1944	33.2	79	−13	2.12	1.96	2.28	2.11	5.9	7	11	9	11
1945	28.4	60	−14	2.20	3.70	3.20	3.28	12.3	15	5	7	19
1946	34.6	80	−18	1.44	2.05	3.37	2.38	6.0	11	9	8	14
1947	39.0	78	−6	2.91	4.85	5.11	4.59	6.9	14	6	9	16
1948	24.4	70	−25	2.59	3.77	2.55	3.06	17.9	14	7	8	16
Period	32.6	83	−34	3.03	3.82	3.54	3.56	8.2	12	9	7	15

Climatological Data for January 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	45	20.4	−8.4	47	1	−17	19	4.03	−0.47	2.01	2	27.0	16	9	1	21	w.	Howard R. Fulk
Franklin	Pendleton	1,750	40							1.65		0.62	2	12.5	8					Dick B. Murphy
Harpers Ferry	Jefferson	400	59							3.18	+0.47	1.66	2	10.0	11					Miss Eleanor J. White
Inwood	Berkeley	569	15	25.8	−6.2	60	9	− 8	26	2.83	+0.71	1.56	1	6.0	12	6	15	10	w.	H. W. Prettyman
Kearneysville	Jefferson	548	18	26.0	−7.9	60	9	− 8	26	2.75	−0.03	2.00	2	9.2	11	5	16	10	nw.	University Exper. Station
Martinsburg	Berkeley	545	56	21.4	−6.6	57	9	−10	26	3.05	+0.54	1.87	1	7.5	7	8	7	16	nw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	14	26.2	−4.8	59	9	−20	25	2.30	−0.08	1.36	2	7.0	7	9	9	13	w.	R. E. Saville
Petersburg	Grant	1,029	9	25.5		59	9	−11	25	2.13		1.05	1	11.7	8	7	5	19	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	34	26.2	−4.7	54	8	− 4	26	2.98	+0.40	2.04	1	7.0	8	13	6	12	w.	C. A. Suter, Jr.
Romney	Hampshire	824	17	26.8	−4.7	59	9	−10	26	2.66	+0.27	1.56	1	7.0	10	*11*	*6*	*14*		Marion W. Haines
Spruce Knob	Pendleton	4,550	16							2.48	−0.54	1.20	2	27.0	13					Moses R. Bennet
Stony River Dam	Grant	3,300	16							2.34	−0.47	1.25	2	10.0	7	1	7	23	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	30	23.0	−7.8	59	8†	−19	25	2.55	+0.42	1.31	2	10.1	9				ne.	Reymann Memorial Farm
Means and Extremes				**25.3**		**60**	**9**	**−20**	**25**	**2.59**		**2.04**	**1**	**11.2**	**9**	**10**	**7**	**14**	w.	
Northern Division																				
Aberdeen, 2 miles NE†	Upshur	1,060	24							4.23	+0.84	1.24	1	15.6	17	2	14	15	w.	L. Esle Bond
Beuson	Harrison	1,080	23	24.7	−9.4	58	1†	−14	26	4.37	+0.76	1.45	1	24.7	17	10	13	8		R. D. Marts
Beus Run	Pleasants	652	47	24.8	−8.1	55	1	−15	28	3.89	−0.39	1.40	1	17.4	17	13	7	11		Mrs. C. W. Rea
Brandonville	Preston	1,798	7	18.8		56	1	−20	19	4.91		1.81	2	38.5	15					James I. Galloway
Brownsville‡	Lewis	1,032	24	25.7	−8.9	55	9	−16	26	3.46	−0.13	1.16	1	18.0	14	5	10	16	n.	M. D. Hawkins
Buckhannon	Upshur	1,459	57	23.7	−8.8	62	1†	−15	15†	3.64	−0.76	1.04	1	28.6	18	6	15	16	w.	Prof. Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	42	22.7	−11.7	58	2	−23	28	4.38	+0.43	1.59	1	15.7	15	9	7	*15*		Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	4	20.4		55	1	−21	19	3.25		1.22	1	25.9	17	7	13	11	w.	George B. Thompson
Clarksburg	Harrison	1,015	25	21.4	−11.2	59	1	−18	28	4.13	+0.82	1.76	2	19.8	17	8	9	14	sw.	Clarksburg Water Board
Creston	Wirt	640	47	20.8	−13.3	57	1†	−18	26	5.85	+1.92	1.15	2	27.5	18					Beatrice M. Lodsome
Dam 10 Mon. R	Monongalia	826	26	23.2		55	1	−11	29	3.65	+0.46	1.62	2	13.7	20	10	3	18	sw.	Lockmaster
Dam 13 O. R	Marshall	655	32							2.40	−0.73	0.97	2	12.0	18					Lockmaster
Dam 15 Mon. R	Marion	882	26							4.15	+0.93	1.96	2	13.0	17					Lockmaster
Dam 19 O. R	Wood	600	31							1.85	−1.56	0.54	13		14					Lockmaster
Dam 20 O. R	Wood	600	31							3.23	−0.39	1.20	2		15					Lockmaster
Elkins	Randolph	2,006	49	21.7	−8.3	59	1	−14	19	3.46	−0.32	0.97	31*	27.9	18	2	7	22	nw.	U. S. Weather Bureau
Fairmont	Marion	1,023	56	23.3	−8.9	61	1	−12	28	4.35	+0.42	1.84	2	22.1	17	7	11	13	sw.	Monongahela Power Co.
Glenville	Gilmer	738	60	25.2	−8.6	64	1	−13	26	4.27	−0.16	1.22	2	19.5	18	5	7	19	w.	Fred W. Wells
Grafton	Taylor	1,100	54	23.1	−9.5	61	2	−18	28	4.16	+0.59	1.59	1	20.8	14	7	8	16	w.	William D. Myers
Grantsville	Calhoun	730	3	23.5		62	1	−12	26	3.85		0.86	13	19.5	15	7	9	15		Hope Natural Gas Co.
Harrison County Airport	Harrison	1,188	8	21.7		59	1	−11	19	4.22		1.44	1	28.0	19	4	3	21	sw.	U. S. Airway Station
Hastings	Wetzel	809	13							4.35	+0.59	1.87	2	13.8	16	2	13	16	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	24							3.91	+0.65	1.34	1	15.9	14					Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	7	20.7		55	1	−16	15	5.38		0.80	13	48.4	16	14	2	15		O. C. Hamilton
Mannington, 1½ mi. NW.	Marion	974	46	21.9	−10.0	57	1†	−25	28	4.51	+0.39	1.33	1	18.0	19	8	7	16	w.	James A. Morgan
Middlebourne, 2½ mi. SE.	Tyler	750	7	22.6		56	1	−18	26†	3.46		1.57	1	18.2	13	7	5	19		L. A. Crumrine
Morgantown	Monongalia	1,250	72	25.6	−6.7	56	1†	− 5	19†	4.05	+0.59	1.11	1	25.6	14	5	7	19		Prof. L. M. Peairs
New Cumberland	Hancock	671	54	22.2	−6.4	52	9	−10	26†	2.35	−0.49	0.99	1	13.5	13	11	1	19	se.	C. O. Valentine
New Martinsville	Wetzel	637	54	24.4	−8.7	58	1	−12	26	3.51	−0.47	1.28	1	18.7	13	9	6	16	sw.	Dr. Z. W. Ankrom
Parsersburg	Wood	615	63	24.4	−8.1	58	1	−10	28	3.58	0.00	1.43	1	26.4	16	2	9	20	nw.	Section Center
Parsons	Tucker	1,649	49	23.8	−10.7	60	2	−10	26	3.71	−0.91	1.16	1	23.5	18	12	9	10	nw.	D. A. Oliver
Philippi	Barbour	1,300	54							4.50	+0.36	1.80	2	25.8	18					Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	24							3.25	−0.35	1.06	1	16.5	16	2	11	18		Mary A. Conrad
Rowlesburg	Preston	1,375	63	21.8		51	8†	− 8	19†	4.50	−0.41	2.19	2	17.0	15				ne.	W. H. Bolyard
Thomas	Tucker	2,950	19							4.37	+0.39	1.88	2	22.0	15					W. Sleeman
Valley Chapel	Lewis	1,011	24	25.6	−9.5	62	1†	−13	26	5.23	+1.69	1.43	1	22.0	17	5	10	16	nw.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	55	22.0	−8.2	51	1†	−20	28	1.85	−1.20	0.75	1	15.0	9	7	6	18		George P. Pfister
West Milford‡	Harrison	979	22							4.95	+1.88	1.55	1	22.5	14					Scotland G. Highland
Wheeling (Dam 12)	Ohio	659	64	22.6	−7.8	55	1	− 7	28†	1.75	−1.29	0.74	2	16.0	12	4	8	19	sw.	Lockmaster
Means and Extremes				**23.1**		**64**	**1**	**−25**	**28**	**3.77**		**2.21**	**1**	**22.2**	**16**	**7**	**8**	**16**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	25																	H. S. Sutton
Athens	Mercer	2,600	8	26.4		62	1	− 5	15	2.14		0.66	13	17.0	13	10	7	14		Concord College
Bluefield	Mercer	2,555	53	28.0	−6.9	62	1	− 1	15	2.06	−0.95	0.48	13	16.7	17	5	3	23		Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	6	26.7		63	1	1	15†	1.89		0.77	13	9.9	11	6	8	17		Willard F. Russell
Charleston	Kanawha	615	61	25.0	−12.9	62	1	− 3	26	2.45	−1.58	1.03	13	14.4	15	11	2	18		W. Va. Water Service Co.
Charleston (Airport)	Kanawha	§950	0	25.4		67	1	− 4	19	2.83		0.92	13	19.5	15	3	7	21	sw.	Civil Aero. Administration
Coalwood	McDowell	1,450	6	28.3		70	1	− 2	25†	2.95		0.85	13	19.0	17	5	10	16	e.	W. A. McNees
Cranberry Glades	Pocahontas	3,400	4	27.2		62	1	− 3	9	1.46		0.21	27	15.3	19	5	11	12	w.	Department of Justice
Flat Top	Mercer	3,270	10	21.0		58	1	− 9	15	3.15		0.79	13	30.6	16	5	7	19	nw.	U. S. Airway Station
Gary	McDowell	1,426	31	26.4	−8.7	69	1	0	15†	2.52	−0.93	1.27	13	7.0	10					U. S. Coal & Coke Co.
Hamlin	Lincoln	642	5	23.1		68	1	−14	25†	1.63		0.27	2	14.5	11	13	2	16		W. Va. Water Service Co.
Hinton	Summers	1,431	59	29.6	−4.9	62	2	0	15	2.24	−1.02	0.77	13	9.8	15					Mrs. M. L. McClung
Huntington	Cabell	571	52	28.0	−6.0	66	1	− 2	26	3.29	−0.50	0.90	1	17.0	15	5	9	17	nw	H. N. Robinson
Kaylord	Kanawha	1,335	31																	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	52	25.4	−7.0	60	1	− 5	15	2.20	−1.15	0.56	13	16.9	18	10	6	15		Prof. H. B. Graybill
Logan	Logan	700	35	27.2	−11.8	67	1	− 2	26	2.54	−1.88	1.38	13	10.3	17	4	6	21		J. W. Ruff
London Locks	Kanawha	623	13	25.4		67	1	− 2	27	2.79	−0.43	1.13	12	13.0	13					Lockmaster
Madison	Boone	675	27	25.6	−11.0	66	1	− 6	26	2.60	−1.50	1.12	13	11.5	13					W. Va. Water Service Co.
Oak Hill	Fayette	1,950	6	25.2		61	1	0	15†	2.56		0.55	13	28.1	15					M. H. Martin
Pineville	Wyoming	1,350	6	23.3		58	1	− 7	26	2.65		0.30	24	26.0	12					Walter C. Byrd
Point Pleasant	Mason	595	58	26.8	−7.3	61	2	−10	28	3.16	−0.79	0.97	2	11.5	12				sw.	E. C. Winger
Rainelle	Greenbrier	2,424	17	24.0	−8.4	58	1	− 9	15†	3.47	−0.74	0.60	13	44.5	20	7	6	18		L. G. Swing
Ravenswood (Dam 22)	Jackson	584	33	24.2	−11.2	60	1†	−14	25†	3.24	−0.36	1.25	2		15	11	2	18	sw.	Lockmaster
Richwood	Nicholas	2,193	17																	Richwood Water Co.
Ripley	Jackson	610	6	22.4*		65	1	−17	26†	4.30		1.26	1		17					R. B. Parsons
Spencer	Roane	789	49	22.0	−11.7	57	8	−10	18†	3.73	−0.28	0.64	2	18.7	14					A. M. McKown
Summersville	Nicholas	1,900	12	18.4		58	7	−16	14	2.32		0.90	13	26.0	10					A. E. Dorsey
Sutton	Braxton	850	45	26.4	−7.9	66	1†	−10	26	2.46	−2.08	0.50	24	26.0	15	10	16	5		C. B. Eakle
Union	Monroe	2,200	44	23.6	−9.7	61	1	−10	15	1.74	−1.41	0.70	13	13.0	11	8	3	20	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	16	27.2		64	1	− 4	19	3.01		0.55	13	19.5	14	7	7	17	n.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	34	26.8	−5.3	63	2	− 5	26	1.94	−1.39	0.60	13	16.5	12				w.	Greenbrier Hotel
Williamson	Mingo	673	47	27.6	−8.4	70	1	− 3	26†	2.33	−1.62	1.40	13	15.0	11	8	10	13	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	10	23.2		64	1	− 4	20†	3.17		0.93	13	17.0	16	10	5	16	w.	Lockmaster
Means and Extremes				**25.4**		**70**	**1**	**−17**	**26†**	**2.55**		**1.40**	**13**	**16.0**	**14**	**7**	**7**	**17**	w.	
State Averages and Extremes				**24.4**	**−8.2**	**70**	**1**	**−25**	**28**	**3.06**	**−0.50**	**2.21**	**1**	**17.9**	**14**	**7**	**8**	**16**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Reference letters indicate number of days missing; for example, * one day, b two days etc. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* Interpolated. § New location; moved from Institute to Kanawha County Airport November 29, 1947. * Greatest 24-hour amount occurred on Jan. 31-Feb 1.

Daily Precipitation for January 1948

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	1.59	.42	T.	T.	.05	.11	.07		.30	.07		.31	.32	.08			.05	T.				.10	.03	.30	.02	T.	.21	T.				4.03
Brushy Run[2]	do.	.03	.80			.07				T.	.03			.22					.13				T.		.16	.32						1.76
Franklin	do.	T.	.62			.04		.04						.27	.02				.10						.16	.40						1.65
Harpers Ferry[2]	do.		1.66	.10		.04		.05					.02	.17	.15				.04			.03		.07		.85						3.18
Inwood	do.	1.56	.32			.03	.05						.06	.10	.05			.05				.05		.06	.45	.05						2.83
Kearneysville	do.	1.80	.20			.04	.04	T.					.05	.48	.02			T.				.01		.03	.06	.02						2.75
Knobly Mountain[2]†	do.	.05	1.20			.08	T.	T.	T.		T.			.29	T.				.05				.05		T.	.60						2.32
Martinsburg[4]	do.	1.87	.09			T.	T.				T.		.08	.40	.05			T.				T.	T.	T.	.05	.51						3.05
McNeill†	do.	1.22	.14			.14								.16				.07							•	.57						2.30
Petersburg	do.	1.05	.13		.01	T.	T.			T.	T.		.03	.16	T.			.09	T.				T.	T.	.42	T.		T.			.24	2.13
Piedmont	do.	2.04				.03	.02	T.		.05	T.		.21	T.	T.			.01					T.		.36	.26						2.98
Romney	do.	1.56	.06	.01		.03							.01	.22				.09		.01					.37	.30					.01	2.66
Springfield[3]	do.	.01	1.76			.05		.10						.11					.03				.04			.52						2.65
Spruce Knob[3]†	do.	.13	1.20					.07		.27	.04			.17	.06	T.			.06				.13		.04	.22		.06	.03				2.48
Stoney River Dam[3]†	do.		1.25			.13				.50			.05	.13					.05							.23						2.34
Wardensville[3]	do.	.02	1.31	.02		T.	T.			.06				.22	.08				.05				T.		.03	.76					T.	2.55
Northern Division																																	
Aberdeen†	West Fork	1.24	.37	T.	.02	.05	.15			.25	.07		.35	.74	.02	T.		.15				T.	.21	.08	.41	.02		.08	.02				4.23
Belington[2]	Tygart		1.42	.06		.08		.10		.07	.28			.78	.10	.06		.02	.04				.11	.12	.05	.32		.03	.03				3.67
Benson†	West Fork	1.45	.10	.25	.04	.15	.18	.05		.25	.07		.37	.52	.18			.23					.23	.05	.14			.11					4.37
Bens Run	Ohio	1.40	.22	.01	.04	.06	.14			.12			.58	.09	.04		.06	.19					.14	.04	.33	.08		.10					3.59
Big Skiu Creek	West Fork	.95	.20	.08	.03	.21								.62	.70	.05		.12					.20	.24	.32			.07					3.79
Brandonville[3]	Cheat	.47	1.81			.10	.10	.10		.32			.20	.46	.10	.05		.30						.50	.20	.20							4.91
Brownsville†	West Fork	1.16	.06			.08	.14			.31	.03		.29	.62	.06								.24	.12	.30	.02		.03					3.46
Buckhannon	Tygart	1.04	.34	T.	.03	.03	.08			.31	.12		.32	.65	.11		T.	.11				.01	.14	.09	.16	.02		.07	T.			.01	3.64
Cairo	Litl. Kanawha	1.59	.22	.09		.06	.12			.18			.48	.19	.13			.25					.18	.04	.74	.02		.09				T	4.38
Canaau Valley	Cheat	1.22	.10			.10	.10			.32	.25		.28	.14	.14			.10	.10				.15	.08	.12		.01	.03	.01				3.25
Clarksburg[2]	West Fork	.04	1.72	T.		.07	T.	.30		.25	.05		T.	.75	.03	T.	T.	.30	.01			T.	.06	.02	.05	.15		T.	.27	.03	.03		4.13
Crawford	do.	.79	.44		.06	.12	.17			.19	.05		.22	.75	.05			.08				.06	T.	.19	.40		.05					T.	3.62
Crestou[2]	Litl. Kanawha	.25	1.15	.08	.12	.38	.10	.35		.26	T.			.75	.25	T.		.30	.08				.28	.10	.70	.47		.15	.08				5.85
Dailey[2]†	Tygart	.03	.68	.03		.06	T.	.11		.06	.29	T.		.72	.03	.02		T.	.09				.05	.07	.10	.15		.03	.03	T.			2.55
Dam 10, Mon. R.[2]†	Monongahela	.02	1.62	.08		.10	.02	.10	.01	.12	.06		.01	.59	.05	T.	.02	.22	.05			T.	.09	.04		.29		.14	.02				3.65
Dam 13, O. R.[2]†	Ohio	.03	.97	.02		.12	.01	.09		.03	.05		T.	.15	.02		T.	.09	.05			.01	.12	.02		.56		.05	.01				2.40
Dam 15, Mon. R.[2]†	Monongahela	T.	1.96	.05		.18	.01	.09	T.	.17	.04	T.	T.	.79	.09	T.	.02	.20	.03				.08	.04	T.	.34	T.	.04	.02				4.15
Dam 19, O. R.[2]†	Ohio	.18	.08	.01		.09	.06	.10		.13			.04	.54	.02		T.	.12					.07	T.	T.	.36		.05					1.85
Dam 20, O. R.[2]†	do.	.18	1.20	.02		.19	.03	.12		.15	T.		.05	.63	.03	T.	T.	.05					.15	T.	T.	.37		.04	.02				3.23
Elk†	West Fork	1.46	.37				.36			.37			.50	.43	.30			.30					.25		.50			.10					4.94
Elkins[1]‡	Tygart	.78	.17	.01	.05	.01	.13	T.		.23	.07		.40	.27	.06	T.	T.	.07	T.			T.	.22	.03	.29	T.	T.	.10	.02			.55	3.46
Fairmout[2]	Monongahela	1.66	.18		.16	.03	.18	.14		.14	.01		.55	.26	.05		.13	.16					.15	T.	.29			.10				.16	4.35
Glenville[2]	Litl. Kanawha	.25	1.22	.02	T.	.24	.05	.09		.25	T.			.89	.14	.04		.18	.04			T.	.19	.08	.21	.34		.02	.02				4.27
Grafton	Tygart	1.59	.40		.05	.19	.17	T.		.11	.03		.41	.51	.02		T.	.20				T.	.11		.26			.11					4.16
Grantsville	Litl. Kanawha	.60	.66			.24	.02	.07		.20				.86	.12			.23					.15	.09	.44	.09		.05	T.			.03	3.85
Hackers Creek†	West Fork																																
Hall[2]	Tygart	.07	1.57	.03		.06	.03	.12		.16	.12	T.	T.	.92	.21	.03		.07	.03				.14	.11	.19	.15		.02	.03				4.06
Harrison Co. Arpt[4]	West Fork	1.44	.40	.01	.06	.06	.17	T.		.21	.02		.56	.20	.02		.08	.14			T.	T.	.18	.03	.19	T.	.01	.08	T.			.36	4.22
Hastings	Ohio	1.25	.62		.09	.11	.18			.25		.03	.60	.24	.07		.05	.26				.03			.23	.18		.16					4.35
Horner	West Fork																																
Ireland	do.		.97	.08	.09		.32	T.						.87	.12			T.					.07	.08	.14	.18							2.92
Jane Lew	do.	1.34	.12		T.	.07	.12	T.		.19	.04		.39	.65	.05			.20				T.	.15	.07	.41	T.		.11					3.91
Kumbrabow St.For.†	Tygart	.54	.36		.05	.06	.28			.50	.23		.80	.80	.20				.20				.50	.22	.43	.13						.08	5.38
Mannington	Monongahela	1.33	.51	.03	.06	.11	.18	.01		.22	.07		.59	.32	.09	.01	.03	.28					.11	.06	.42	.03		.05					4.51
Middlebourne[2]	Middle Is. Crk.		1.57	T.		.11	T.	.15		.13	.02		T.	.55	T.	T.	.06	.18	.15				.09			.35		.07	.03				3.46
Midvale[2]†	Tygart	.06	1.30	.08		.11	.02	.12		.33	.15	T.		.83	.16	.05		.05	.03				.15	.15	.20	.15		.03	.05	T.			3.87
Morgantown	Mouongahela	1.11	.40	T.	T.	.01	.06	T.	.25	.15		.40	.30		.10			.50					.20		.40		.02		T.	.15			4.05
Mt. Clare	West Fork	1.55	.20		.17		.20			.25			.50	.50	.04	.16	.03						.10	T.	.42	.03	T.	.05	T.	T.	T.	T.	4.20
New Cumberland	Ohio	.74	.25	T.	.02	.07	.05	.02		.03	T.		.27	.02	T.			.05	T.			.02			.75			.06					2.35
New Martinsville	do.	1.28	.21	T.	.07	.05	.10			.23	.03		.53	.05				.24					.11		.50			.11					3.51
Parkersburg[1]‡	do.	1.43	.05	T.	.07	.02	.17			.15	T.		.58	.08	T.		.10	.08	T.			.13	.08	T.	.44		.05	.08				.07	3.58
Parsons	Cheat	1.16	.43	.01	.03	.12	.10	.01		.31	.06		.32	.49	.03	T.	T.	.06	T.				.11	.05	.35	.02		.05	T.				3.71
Philippi[2]	Tygart	T.	1.80	.06		.09	.02	.13		.08	.30	T.	T.	.89	.12	.02		.10	.04				.18	.17	.10	.30	T.	.05	.05				4.50
Roanoke	West Fork	1.00	.15	T.	.06	.05	.06	.01		.15			.31	.61	.07			.07				.03	.07	.05	.50			.06	T.				3.25
Rockford†	do.	1.31	.25	T.	.05	T.	.19			.27	T.		.40	.61	T.			.18						T.	.50			.09					3.85
Rowlesburg[2]	Cheat	T.	2.19	.05		T.	T.	.20	T.	.06	.28	T.		.62	.10	.09		.06	.04				.11	.10	T.	40	T.	.15	.05				4.50
Salem	West Fork	1.50	.46		.04	.03	.19				.30		.48	.50	.05			.27					.14	.07	.45			.12					4.60
Sand Fork	Litl. Kanawha	.86	.43	.02	.05	.11	.18	T.		.26	.03		.33	.72	.07			.09				T.	.14	.08	.50	.02		.03	T.				3.92
Shinnston	West Fork	1.52	.45	T.	T.	T.	.19				•		.50	.30	.10			.18					.13		.19	.02		.09					3.67
Thomas[2]	Cheat	T.	1.88	.11		.13	T.	.10		.09	.41	T.		.65	.14	.10		T.	.10				.14	.06	.04	.32		.10	T.				4.37
Upper Davisson Run	West Fork	1.60	.37	.02	.06	.06	.16			.18	.06		.39	.50	.05		T.	.24					.14	.06	.45	T.		.11					4.45
Valley Chapel	do.	1.43	.20		.06	.10	.11			.20	.08		.30	.60	.37	.04		.37	T.			.14	.43	.12	.50			.18					5.22
Valley Head[2]	Tygart	.05	.50	.06	T.	.06	T.	.08		T.	.38	T.		.63	.11	T.		T.	.03				.25	.05	.10	.38		.03	T.				2.71
Vandalia†	West Fork																																
Wellsburg (near)	Ohio	.75	T.	T.		.22							.36		.07			.06				.04	.05		.25	.05							1.85
West Milford	West Fork	1.55	.32		.20		.30			.30			.35	.50	.20			.19					.28	.09	.38	.10		.19					4.95
Weston[2]	do.		1.28	.12	.02	.16	.03	.18		.05	.45	T.		.94	.18	.13		.14	.12	T.			.22	.14	.02	.48	T.	.05	.06				4.77
Wheeling (Dam 12)[2]	Ohio	.05	.74	T.		.10	T.	.05		.06	T.		T.	.13	.03		T.	.09	T.			T.	.07	.01		.37		.05					1.75
Southern Division																																	
Arbovale	Greenbrier	.10				T.	.19			.14				.13					T.			.02											§§
Athens	New	.04	T.	T.	.09	.04	T.				T.		.13	.66	.03			T.	.07			.04	.04	.17	.29			.25				.29	2.14
Bluefield	do.	.06	.09			.08	.02			.06	T.		.12	.43	.06	.06	.04				.08	.04	.06	.35	.36		.02	.13					2.06
Bluestone Dam	do.	.01	.16	T.		.21					.01	T.		.77		.02			T.			.09	.07	.10	.22	T.		.23	T.				1.89
Camden-on-Gauley[2]	Gauley	.28	.18	.05	.06	.24	.08	.03		.14				.94	.08									.12	.08	.34							2.52
Charleston	Gr. Kanawha	.11	.18	T.		.17	.03	T.		.13	T.			.03	.08	T.		.11	.02			T.	.05	.15	.28	.08		.02	.01				2.45
Charleston Airport	do.	.28	.04	T.	.13	T.	.05			.14	T.		.73	.27	.02		.15	.07			T.	T.	.09	.09	.25	T.		.05				.47	2.83
Coalwood	Big Sandy	.26	.04	T.	.05	.05	.01			.14			.25	.85	.05	T.		.01	.03		T.	.02	.14	.22	.30	T.		.25		T.	.28		2.95
Cranberry Glades	Cranberry	.18	.10	.03		.01	.17	T.		.02	.02	.05	T.	.01						.02	.03	.04	.11	.04	T.		.20	.01	T.	.14	.19	.09	1.46
Flat Top[4]	New	.19	.13		.27	T.	T.			.14	T.		.60	.23	.04			.01	T.		.06	.01	.22	.06	.34		.07	.08	T.		T.	.70	3.15
Gary[2]	Big Saudy	.14		.11		.10				.04				1.27	.05							.08	.15		.31			.27					2.52
Hamlin	Mud	.25	.27			.15	.05							.16	.05	T.		.22						.25	.06	.12		.05					1.63
Hinton[2]	New	.05	T.	.08	.22	.21		T.			.05	T.		.77	.01	T.		T.	.02			.07	.06	.10	.35	.14		.10	.01				2.24
Hogsett	Ohio	.36	.90	.03		.07	.05	.05		.13	.01		.01	.79	.07	T.		.25	T.				.04	.02	.06	.30		.02	.01				3.17
Huntington	do.	.90	.10	T.	.08	.01	.02			.03	T.		.40	.35	.03		T.	.28	T.				.08	.06	.57			.05				.33	3.29
Kayford[2]	Gr. Kanawha	•	•			.65				•				1.30	.40			•	.05				.20	•	.42	.11							§§
Lewisburg	Greenbrier	.12	.04		.15	.05	.03			.01	T.		.15	.56	.01	T.		.15	.09		.02	.03	.05	.08	.32			.09				.25	2.20
Logan[2]	Guyandot	.05	.10	.01	.03	.07	T.	T.		.10	.10	T.		1.38	.04	T.		.01	.02	T.		T.	.11	.14	.28	.06		.02	.02			T.	2.54
London Locks[2]†	Gr. Kanawha	.04	.35	.02		.28	T.	.04		T.	.15			1.13	.08	.02	T.	T.	T.				.10	.15	.28	.15							2.79
Madison[2]	Coal	.10	.16		T.	.29	T.			.12				1.12	.05			.07	.01				.11	.16	.26			.05	.10				2.60
Oak Hill	New		.23	.01		.30	.02			.02	.13			.55	.43	.06		T.					.14	.19	.30	.05		.08	.05				2.56
Pineville[2]	Guyandot	.06		.23		.75			T.		.11	T.		1.09	.09				.01				.15	.20	.30			.04	.12				2.65
Point Pleasant[2]	Ohio	.46	.97	.05	.02	.12		.02		.18			.06	.67	T.			.28			T.		T.	T.	.03	.30			T.				3.16
Princeton[2]	New	.01	.05	T.		.07								.83	.02	.02			.04		.05	.04	.15	.02	.03		.16						1.49
Ralnelle	Greenbrier	.22	.23	.04	.25	.15	.12				.10		.26	.60	.25	.05		.03	.08		T.	.02	.14	.16	.37	T.		.07	.01			.32	3.47

Continued on next page.

Daily Precipitation for January 1948—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Ravenswood [2]	Ohio	.16	1.25	.05	.02	.15				.20			.01	.65	.04			.21	.03					.04	.05	.32		.06	T.				3.24
Richwood [2]	Gauley																																
Ripley	Ohio	1.26	.07	.06	.13	.09	.08			.24	.03		.39		49			.28					.16	10	.72	.02		.07				.11	4.30
Spencer [2]	Litl.Kanawha	.42	.64		.19	.12	.05	T.		.50	T.			.04	.45	T.		.30				T.	.59	.10	.15	.13		.05					3.73
Summersville [2]	Gauley	T.	T	.22	.05	.05	T.	T.	.20					.90	.15								.02	.20	.15	T.						38	2.32
Sutton	Elk	.29	.05	.06	.16	.12	.05			.19	T.		.20	.18	.13	T.		.05	T.				.13	.30	.50	T.		.05				T	2.46
Union [2]	New	T.	.05	.17		.21								.70	.02				.06			.09	.03	.12	.15	T.		.14					1.74
Wayne [2]	Twelvepole	T.	66	.13		.08		.03		.05			.50	.53		T.	T.	.24						.35			35			.05			2.97
Webster Springs	Elk	.35	.45		T.	.13	.05			.51			.31	.55		.03			.03				.25	.09	.19			.02				.05	3.01
White Sulp'r Spgs.	Greenbrier	.15	.06		.10	T.	T.			T.	T.		.06	.54	T.			T.	.06		T.	.06	.04	.05	.45			.04				.33	1.94
Williamson [2]	Big Sandy	.04	.12			.10					.10			1.40	.08	T.		T.	T				.08	.18	.21	.01		.01	T.				2.33
Winfield Locks [2†]	Gr Kanawha	.19	.75	.01		.15	.01	T.		.06	T.			.93	14	T.		.25	.03				.14	.10	.16	.18		.04	.03				3.17

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kiuchloe; Big Skin Creek, Weston; Brownsville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont [5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for January 1948

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	62	58	30	35	32	30	35	49	52	46	37	49	38	27	28	40	37	21	37	35	38	37	29	15	24	35	33	27	32	29	26	35.6
	Minimum	44	24	24	23	22	24	22	21	40	25	8	28	26	7	−5	17	20	6	0	16	26	21	9	7	2	4	22	1	11	17	14	17.1
Bayard	Maximum	47	43	29	38	33	31	27	44	47	32	35	39	36	25	25	36	33	17	35	43	39	33	16	8	18	24	21	20	25	22	24	30.5
	Minimum	34	21	22	22	22	25	15	12	31	19	3	11	24	5	−6	2	15	0	−17	2	29	14	6	−7	1	1	14	−2	−7	8	−2	10.2
Bluefield	Maximum	62	58	29	35	33	32	37	35	52	48	37	51	43	27	28	42	45	38	36	37	38	37	30	17	25	32	31	24	33	31	29	36.6
	Minimum	47	24	24	24	23	24	24	26	26	15	36	27	27	7	−1	21	25	9	4	22	30	22	11	9	7	9	22	7	18	2	17	19.5
Brandonville	Maximum	56	29	30	39	32	32	27	49	46	23	34	36	32	30	30	55	21	18	21	40	38	27	15	10	2	23	28	20	25	24	20	29.4
	Minimum	30	27	25	26	23	26	16	9	25	20	1	20	28	−11	−12	14	10	−7	−20	−8	6	16	10	−7	4	−14	−11	−4	−8	5	6	8.1
Buckhannon	Maximum	62	62	32	45	34	31	31	59	52	38	39	44	35	28	26	38	35	19	33	43	40	26	18	17	20	26	26	21	23	23	31	34.5
	Minimum	42	27	26	25	26	29	9	16	36	24	5	20	28	9	−15	19	18	3	−13	2	33	17	8	5	7	−15	17	−6	−4	−1	4	12.9
Cairo	Maximum	51	58	34	39	37	34	33	51	56	42	40	40	34	32	20	38	27	22	30	44	44	36	20	15	15	23	23	23	17	25	27	33.1
	Minimum	38	29	30	29	29	31	12	20	31	27	9	22	31	13	−4	27	19	−9	−11	2	31	16	7	2	−16	−20	19	−23	−3	−2	−2	12.3
Charleston (Airport)	Maximum	67	40	34	36	32	34	36	51	58	36	40	44	33	24	9	39	25	21	36	43	44	35	26	16	21	28	24	23	29	26	24	33.2
	Minimum	43	28	30	28	27	30	21	24	36	22	13	33	24	9	2	25	15	3	−4	12	33	17	10	9	5	−1	14	1	11	13	12	17.6
Clarksburg [3]	Maximum	59	32	34	45	34	36	31	55	53	32	40	38	35	18	35	38	23	19	30	41	42	25	15	14	19	29	25	21	26	24	30	32.2
	Minimum	40	30	29	29	28	29	15	14	21	29	10	11	32	16	−5	−4	20	−3	−9	−9	2	24	11	7	8	−11	−10	−18	−15	−2	5	10.5
Cranberry Glades	Maximum	62	55	37	38	38	44	44	39	29	34	41	44	44	42	49	43	40	38	37	45	50	37	39	38	43	41	42	42	40	44	46	42.1
	Minimum	37	11	8	11	10	14	5	0	−3	0	10	15	12	11	19	23	12	19	15	29	10	10	9	14	19	10	11	5	11	7	10	12.3
Elkins	Maximum	59	48	32	40	29	30	29	50	52	32	40	40	34	20	29	38	29	15	36	42	38	32	18	17	22	28	23	21	28	24	33	32.5
	Minimum	37	25	22	22	25	22	17	15	31	8	0	31	20	5	−9	8	15	−7	−14	3	31	16	0	4	0	−4	11	0	3	7	−6	10.9
Fairmont [3]	Maximum	61	48	33	45	32	32	31	47	53	36	39	36	33	25	25	38	25	24	31	43	44	31	22	12	18	25	27	20	28	22	30	32.8
	Minimum	40	29	30	30	29	23	19	19	35	17	11	25	24	2	−4	17	17	−1	−8	5	31	16	8	8	5	−10	10	−12	5	2	5	13.8
Flat Top	Maximum	58	41	30	30	24	26	31	45	48	27	32	42	32	14	22	37	29	15	32	32	35	28	15	13	27	32	21	24	29	28	19	29.6
	Minimum	41	20	21	21	19	29	17	15	27	16	10	28	14	−2	−9	19	10	−6	−7	11	17	15	5	4	1	6	9	0	16	13	12	12.4
Gary [3]	Maximum	69	31	35	36	31	36	41	55	55	34	44	46	35	18	33	45	28	25	42	40	45	36	23	23	29	35	30	29	35	33	28	36.3
	Minimum	31	30	28	26	28	28	21	19	19	32	11	12	32	14	0	0	23	14	4	4	20	26	15	14	1	2	2	7	7	17	21	16.4
Glenville	Maximum	64	63	34	42	35	34	35	52	56	40	39	44	35	30	28	39	32	22	34	43	44	39	22	16	22	30	25	22	29	31	28	35.8
	Minimum	41	30	30	30	29	31	13	20	36	28	10	22	36	10	−7	16	20	−5	−8	2	32	19	10	9	−9	−13	19	−6	3	6	0	14.5
Grafton	Maximum	60	61	32	45	34	33	31	48	53	37	36	41	34	29	27	38	31	21	30	44	40	36	26	15	19	25	24	20	24	24	34	33.8
	Minimum	40	29	29	26	28	29	18	14	37	26	6	16	29	12	−11	10	18	−9	−13	0	33	16	9	4	8	−13	18	−18	−7	−4	8	12.4
Huntington	Maximum	66	62	40	38	36	38	40	58	60	41	42	41	37	31	32	40	29	24	35	44	47	39	23	17	21	29	27	25	31	28	26	37.0
	Minimum	47	30	32	33	30	32	21	25	41	30	15	32	35	12	5	26	19	−1	−1	10	34	18	9	9	−1	−2	20	−1	10	15	12	19.1
Lewisburg	Maximum	60	58	33	37	32	33	37	49	54	40	40	42	36	29	24	43	37	25	30	34	39	34	29	16	24	33	34	23	36	30	29	35.4
	Minimum	38	27	27	23	24	26	12	14	37	27	9	26	28	7	−5	10	21	0	−3	10	28	22	11	8	4	4	4	1	8	15	15	16.5
Logan [3]	Maximum	67	33	38	38	34	38	42	57	59	39	46	49	35	20	35	40	26	23	40	42	47	33	24	23	27	33	28	28	29	32	27	36.5
	Minimum	38	32	31	32	31	31	22	22	24	35	18	18	33	17	4	5	23	10	5	6	20	26	15	13	9	−2	−1	9	8	12	20	18.0
Madison [3]	Maximum	66	33	38	37	34	37	40	60	57	41	46	62	34	20	35	42	25	22	37	43	43	30	23	22	18	33	28	30	33	31	25	36.3
	Minimum	37	31	30	31	29	30	19	19	22	31	13	26	32	17	0	1	21	6	0	1	14	23	14	11	4	−6	−5	1	0	8	12	15.0
Mannington	Maximum	57	57	33	43	37	35	34	47	54	40	38	38	36	31	23	38	35	23	31	41	43	39	24	14	21	26	25	24	30	26	29	34.6
	Minimum	36	28	29	27	28	29	15	12	39	22	3	15	29	11	−13	3	16	−17	−19	−6	28	16	3	−4	4	−22	16	−25	−9	−7	−2	9.2
Martinsburg	Maximum	40	36	37	33	37	34	33	42	57	37	43	39	34	32	22	40	33	25	26	38	43	34	23	13	22	28	36	28	34	24	19	32.8
	Minimum	34	33	33	29	28	27	22	16	29	26	18	18	32	12	3	19	25	13	3	6	30	22	12	5	0	−10	17	3	1	7	−5	16.1
Middlebourne	Maximum	56	33	35	42	33	35	35	55	50	33	40	35	33	18	35	40	25	24	33	45	45	22	17	13	23	32	26	25	30	27	29	33.0
	Minimum	40	31	31	30	29	29	13	21	37	16	10	23	33	10	−4	14	18	−13	−15	−1	32	18	3	0	−10	−18	18	−18	−3	−2	3	12.1
Morgantown	Maximum	56	54	34	45	38	34	32	48	56	37	46	36	36	31	27	38	35	25	31	43	45	38	18	12	20	23	27	22	29	24	31	34.5
	Minimum	43	29	28	30	30	31	20	21	37	24	11	24	31	14	4	19	19	3	−5	8	37	18	8	5	8	−4	19	−5	1	12	0	16.5
New Martinsville	Maximum	58	53	35	45	36	35	32	50	55	39	38	39	36	29	25	40	28	23	32	42	44	35	18	14	20	26	28	21	29	25	28	34.1
	Minimum	44	30	30	30	30	30	17	24	38	24	10	23	27	12	1	16	16	−4	−8	2	33	15	4	5	5	−12	18	−8	−5	2	5	14.6
Parkersburg	Maximum	58	42	36	46	36	35	34	53	55	37	38	40	36	24	31	38	24	20	31	43	45	29	15	15	18	27	22	22	28	25	24	32.9
	Minimum	42	30	31	30	30	28	21	27	37	23	13	31	24	10	4	21	12	2	−3	10	29	15	6	7	−1	−8	9	−10	0	7	6	15.*
Petersburg	Maximum	48	38	43	41	40	40	34	55	59	38	44	52	37	28	30	49	34	23	30	39	45	33	25	11	24	28	33	28	40	30	26	36.1
	Minimum	38	31	31	30	30	29	22	18	38	24	14	22	28	10	3	10	20	4	−3	10	29	23	10	6	−11	−9	15	−7	2	10	−8	15 0
Point Pleasant	Maximum	59	61	36	38	38	37	37	54	57	41	38	38	39	32	31	38	31	26	34	42	45	41	22	19	21	29	31	24	27	28	28	36.2
	Minimum	45	30	32	32	30	32	22	27	41	29	14	29	30	11	6	26	18	0	−3	8	35	16	8	9	−5	−6	20	−10	1	7	8	17.5
Rainelle	Maximum	58	56	29	36	32	30	35	49	50	38	39	42	35	27	23	26	33	19	36	35	41	30	23	16	30	33	26	30	32	30	28	34.1
	Minimum	38	25	26	23	23	25	5	10	29	25	3	26	26	7	−9	7	17	8	−8	9	28	20	9	9	4	−9	19	4	6	8	16	13
Spencer	Maximum	50	32	37	39	37	37	35	57	52	35	44	40	35	26	35	38	25	20	32	42	44	27	18	18	20	27	25	21	15	27	22	32.6
	Minimum	43	32	28	31	29	30	10	13	28	28	10	16	32	12	−7	0	18	−10	−10	−2	1	18	7	9	−10	−7	9	−7	−7	3	10	11.8
Summersville [3]	Maximum	32	39	33	29	30	35	53	52	26	40	42	33	12	31	40	30	7	36	40	41	27	19	15	25	32	32	16	32	22	27	17	30.3
	Minimum	25	23	22	21	23	−1	8	11	23	2	4	28	9	−16	−12	8	−5	−10	1	12	17	7	5	−3	−2	−12	2	6	0	1	2	6.
Sutton	Maximum	66	66	35	40	40	33	37	50	50	46	42	42	38	32	31	40	40	27	37	40	44	44	36	25	23	28	28	25	28	32	32	38.6
	Minimum	40	29	28	26	29	30	6	18	32	30	9	22	27	14	−8	11	21	2	−5	7	32	20	13	9	0	−10	19	0	1	2	1	14
Wardensville [3]	Maximum	41	35	36	36	37	37	31	59	59	34	43	49	36	28	25	46	31	22	31	42	48	32	22	9	19	34	30	30	36	27	20	34
	Minimum	34	34	30	30	29	30	24	14	18	29	13	15	31	22	−1	−1	17	9	−4	0	9	22	17	5	−19	−15	−8	−7	−5	5	−13	11.1
Wheeling [3]	Maximum	55	50	35	45	34	34	30	48	46	34	42	37	35	19	33	36	25	19	28	41	41	20	14	14	18	23	23	20	25	21	27	31.4
	Minimum	40	33	31	32	33	31	20	21	30	25	12	13	33	15	3	5	18	0	−5	−8	11	20	5	4	4	−4	−4	−7	−7	−1	0	13
White Sulphur Spgs.	Maximum	60	63	33	38	32	34	38	46	54	50	44	45	36	31	28	43	42	31	35	35	40	39	19	24	33	33	27	33	32	31	37.
	Minimum	37	27	23	20	26	28	18	15	31	22	6	22	31	12	−4	10	24	3	−4	10	26	23	14	8	7	−5	23	5	8	19	16	16.2
Williamson [3]	Maximum	70	34	37	40	35	39	41	62	60	40	45	54	35	20	35	40	26	26	41	41	50	35	26	17	28	34	28	28	33	33	33	37.7
	Minimum	37	31	31	30	29	31	22	21	22	33	18	18	32	11	3	4	24	12	6	6	19	28	16	13	0	−3	−3	11	8	14	22	17.0

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LVI FEBRUARY 1948 No. 2

GENERAL SUMMARY

Temperature and precipitation averaged slightly above normal while snowfall was about twice the normal amount.

With the exception of a small area in Harrison and Lewis counties and a few widely scattered stations throughout the State, which were slightly below normal in temperature, all stations reported temperatures somewhat above average. The first decade was abnormally cold; the second was abnormally warm; the third began cold but became warm on the 24th and continued so until the close. Below-zero temperatures were common on the 9th and 10th.

Precipitation averaged considerably above normal in the northern and southern divisions but the northeast panhandle counties of Berkeley, Hampshire, Hardy, and Jefferson were dry, averaging about an inch below normal in precipitation.

Flood and near-flood conditions prevailed in most parts of the State during the period 13th to 15th. This condition was caused by a sudden warm spell melting a 4- to 10-inch snow cover with high water content, and rainfall of light to moderate amounts. Most, if not all, streams overflowed their banks locally. The highest stage of record at Clarksburg, 10.23 feet, occurred. Seven deaths throughout the State were attributed to the high waters. Many roads were blocked for 12 to 24 hours by high water and minor landslides. Some small bridges were washed away. Total damage for the State to roads and bridges was estimated at $305,000.

Trees. bushes, winter grains and grasses remained dormant while farm work was on winter routine throughout the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 73 stations, was 35.8°, or 2.5° above the normal. The mean for the northeastern panhandle division was 33.5°; for the northern division, 34.9°; and for the southern division, 37.1°. The highest monthly mean was 41.3° at Coalwood; and the lowest, 29.8° at Brandonville. The highest temperature was 79° at Romney on the 28th; and the lowest, −14° at Romney on the 7th and Brandonville and Wellsburg on the 9th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 100 stations, was 3.61 inches, or 0.50 inch above the normal. In the northeastern panhandle division, the average was 2.00 inches; in the northern division, 4.04 inches; and in the southern division, 3.90 inches. The greatest monthly precipitation was 7.34 inches at Pickens No. 2, and the least, 0.65 inch at Wardensville. The greatest amount in any 24 consecutive hours was 2.45 inches at Sutton on the 13-14th. The average monthly snowfall was 15.7 inches, or 7.1 inches above the normal. The greatest monthly snowfall was 32.0 inches at Pickens No. 2. The average number of days with 0.01 inch or more of precipitation was 12.

Errata: December 1947.—Page 45, Precipitation Summary, delete 0.20 inch at Omps and replace with 0.44 inch at McNeill. January 1947.—Page 2, Webster Springs, Mean Monthly Temperature, 41.4°.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	1	2	4	3	5	5	4	2				14	7	1				1	2			1	1	1	5	5	10	1			
Gales								1	1			2	13	3	4	1		8	5	1	1	1	1		1	3	2	32	17		
Hail																															
Halos, lunar																															
Halos, solar								1										1	1		2		1		1						
Sleet				4	4	1	3	4	1				2				1														
Thunderstorms												1															1	3			

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.61*	15*	29.30*	13*	9.5	49	sw.	28	85	67	74	55	939
Elkins*	30.68	24	29.33	14	7.9	41	w.	14	88	62	72	48	884
Huntington*	30.65	15	29.36	13	.....	34	w.	28	82	61	71	....	798
Parkersburg	30.66	15	29.30	13	6.7	28	nw.	19	83	58	63	42	819
Petersburg, W.Va.	30.84	24	29.32	14	.....	32	w.	14	84	54	66	....	892
Pittsburgh, Pa *	30.68	24	29.21	14	10.8	36	sw.	14	77	59	63	52	935

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR FEBRUARY

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	38.1	.....	.....	2.09	5.23	5.79	5.39	.....	.....	.....	.....	.....
1892	37.1	72	−12	1.82	2.62	2.61	2.30	.....	9	.....	.....	.....
1893	35.0	71	−6	3.68	5.11	4.68	4.81	.....	12	.....	.....	.....
1894	33.4	74	−5	3.25	3.89	4.09	3.99	.....	10	9	7	12
1895	**22.8**	79	−17	1.13	1.23	1.09	1.27	.....	7	10	9	**9**
1896	33.4	62	−5	3.39	3.31	3.30	3.31	.....	17	7	8	14
1897	36.8	70	3	6.14	5.73	6.09	5.95	.....	11	7	7	14
1898	32.7	74	−13	1.40	2.39	1.58	1.81	.....	9	10	8	10
1899	26.1	69	**−35**	4.33	3.88	5.02	4.32	19.0	14	7	5	16
1900	30.7	83	−11	3.27	3.96	4.26	3.94	10.1	12	5	10	13
1901	27.1	62	−6	0.31	0.97	0.95	**0.86**	4.1	7	8	8	12
1902	26.7	68	−14	3.84	2.45	3.81	3.20	8.1	10	6	7	15
1903	35.3	74	−19	3.57	6.18	6.48	**5.99**	9.0	11	10	**6**	12
1904	29.3	80	−13	1.45	2.57	2.42	2.37	8.1	10	8	9	12
1905	25.6	56	−22	1.45	2.26	2.71	2.34	8.1	11	8	6	14
1906	32.4	79	−11	1.19	1.82	1.53	1.60	8.1	7	15	6	7
1907	31.1	76	−15	1.79	2.56	2.81	2.55	5.6	14	9	8	11
1908	30.9	72	−10	3.88	3.80	3.59	3.72	15.8	12	7	8	14
1909	40.4	80	−5	2.80	5.13	3.59	4.16	3.4	13	7	8	13
1910	31.5	72	−11	2.28	3.72	2.91	3.18	13.5	8	9	8	11
1911	38.7	76	−6	1.25	2.00	2.40	2.03	4.8	7	8	8	12
1912	27.3	70	−17	2.38	2.55	2.36	2.45	6.4	7	10	8	11
1913	32.6	80	−4	0.81	2.51	2.41	2.27	4.7	7	13	6	9
1914	28.4	70	−22	2.87	3.82	3.65	3.64	19.7	10	9	7	12
1915	38.4	72	−2	2.84	3.28	2.89	3.07	3.6	10	10	5	13
1916	31.4	72	−12	2.73	4.90	4.08	4.30	13.2	11	8	6	15
1917	31.0	80	−14	2.35	3.01	3.80	3.29	10.1	9	9	7	12
1918	35.4	81	−19	1.67	3.96	2.91	3.12	3.8	9	11	6	11
1919	35.2	72	−2	1.40	1.88	1.97	1.85	3.5	9	11	5	12
1920	31.3	69	−4	2.65	2.80	2.65	2.71	9.3	12	7	5	17
1921	37.4	79	−10	1.85	2.75	2.72	2.61	10.8	9	8	5	15
1922	38.2	77	−14	2.66	2.72	3.16	2.89	6.3	11	8	7	13
1923	30.4	70	−20	2.65	3.65	4.01	3.68	7.8	12	7	5	16
1924	31.6	74	−16	1.94	3.70	2.94	3.21	12.2	11	8	6	15
1925	39.8	80	−5	1.35	2.50	2.97	2.49	2.0	8	10	6	12
1926	34.9	72	−3	3.87	4.34	3.58	4.01	18.1	13	6	5	17
1927	40.9	79	6	4.42	4.64	4.29	4.49	11.0	15	7	6	15
1928	34.6	72	−3	2.10	2.89	2.02	2.50	6.4	11	8	6	15
1929	30.0	70	−15	2.90	2.81	3.23	2.98	14.6	9	9	6	13
1930	39.8	81	−21	1.56	2.87	2.59	2.62	3.9	10	11	5	12
1931	35.8	68	5	1.58	2.76	2.61	2.57	1.6	9	10	5	13
1932	**41.6**	**86**	7	2.83	2.88	3.84	3.22	0.2	9	11	8	10
1933	34.5	77	−12	1.78	2.94	3.79	3.13	5.8	11	12	5	11
1934	24.0	65	−26	1.43	1.73	2.00	1.86	17.6	9	10	5	13
1935	34.9	70	−9	1.75	2.47	2.33	2.33	5.3	10	6	6	16
1936	28.4	80	−25	2.67	2.69	2.47	2.61	10.8	9	11	7	11
1937	34.6	80	−3	3.14	3.37	3.35	3.33	9.1	12	7	7	14
1938	40.9	76	4	1.76	3.37	2.87	3.01	2.9	12	5	7	16
1939	39.0	80	−2	3.80	5.93	6.21	5.72	3.9	13	9	6	13
1940	33.5	73	−6	2.47	4.20	3.85	3.84	12.5	14	7	6	16
1941	29.2	66	−11	0.59	1.04	1.02	0.96	9.3	8	8	8	12
1942	29.3	66	−14	1.50	2.51	2.14	2.22	6.9	10	8	6	14
1943	34.6	76	−13	1.09	2.14	1.90	1.89	5.7	11	8	9	11
1944	37.3	79	−13	2.67	3.72	4.23	3.77	3.8	12	8	8	13
1945	35.5	80	−13	2.71	4.66	4.65	4.36	6.0	12	7	8	13
1946	35.9	75	−4	2.28	3.67	2.93	3.23	7.7	11	10	7	11
1947	25.5	67	−9	1.29	1.70	1.75	1.64	21.9	11	6	7	15
1948	35.8	79	−14	2.00	4.04	3.90	3.61	15.7	12	9	8	12
Period	33.3	86	−35	2.36	3.24	3.20	3.11	8.6	11	8	7	13

Climatological Data for February 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	45	30.9	+1.3	66	28	−13	9	4.06	+0.56	0.88	4	25.5	13	10	6	13	w.	Howard R. Fulk
Harpers Ferry	Jefferson	400	59	.....	.....	.....	.....	.....	.....	1.37	−0.89	0.39	5	10.0	8	...	..	.....	.....	Miss Eleanor J. White
Iuwood	Berkeley	569	15	34.1	+0.4	74	19	0	11	1.10	−1.15	0.50	26	5.0	5	3	24	2	w.	H. W. Prettyman
Kearneysville	Jefferson	548	18	33.6	−0.3	77	28	1	11	1.26	−1.10	0.30	22	7.2	7	9	11	9	nw.	University Exper. Station
Knobly Mountain	Mineral	1,400	9	.....	.....	.....	.....	.....	.....	1.83	.....	0.60	22	15.5	8	....	.....	.....	.....	David A. Arnold
Martinsburg	Berkeley	545	56	33.4	+2.0	75	28	−2	11	1.17	−1.23	0.30	22	8.7	8	5	10	14	nw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	14	32.9	+0.6	75	19†	−12	1	1.18	−0.95	0.40	22	15.0	5	8	8	13	w.	R. E. Saville
Petersburg	Grant	1,029	9	34.2	.....	75	28	−4	2	1.89	.....	0.51	1	15.6	10	8	3	18	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	34	33.6	−0.2	71	19†	−3	10	2.29	+0.05	0.73	22	17.0	10	14	5	10	w.	C. A. Suter, Jr.
Romney	Hampshire	824	47	35.0	+0.8	79	28	−14	7	1.61	−0.29	0.45	21	12.5	13	....	.....	.....	.....	Marion W. Haines
Spruce Knob	Pendleton	4,550	16	.....	.....	.....	.....	.....	.....	3.32	+0.56	0.87	26	29.0	13	....	.....	.....	..	Moses R. Bennet
Stony River Dam	Grant	3,300	16	...	...	...	...	...	...	4.37	+1.52	0.80	5	25.0	13	2	6	21	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	30	31.3[a]	−2.5	75	28	−8	1	0.65	−1.06	0.29	21	5.5	6	20[a]	3[a]	5[a]	nw.	Reymann Memorial Farm
Means and Extremes		.....	....	**33.5**	.....	**79**	**28**	**−14**	**7**	**2.00**	.....	**1.20**	**1**	**16.9**	**10**	**9**	**8**	**12**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	24	.....	.....	.....	.....	.....	.....	4.67	+1.57	1.03	4	16.7	12	8	10	11	w.	L. Esle Bond
Benson	Harrison	1,080	23	37.7	−0.3	71	29	5	9	4.28	+0.57	1.15	4	23.5	13	8	15	6	....	R. D. Marts
Bens Run	Pleasants	652	47	36.0	+3.2	70	19	−3	9	2.84	−0.27	0.72	4	14.0	10	16	7	6	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	29.8	....	66	18	−14	9	4.53	.....	.....	....	30.0	14	....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	24	39.5	+1.9	72	19†	2	10	4.76	+1.69	1.00	26	11.0	13	8	11	10	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	57	36.0	+2.9	69	19†	4	9	4.98	+1.22	1.11	4	21.7	14	6	15	8	sw.	Prof. Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	42	34.8	+0.6	73	19†	−2	8	3.49	+0.52	1.23	4	.....	12	5	10	14	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	4	30.0	.....	62	19†	−10	9	6.76	.....	.....	....	45.7	12	8[a]	13[a]	8[a]	w.	George B. Thompson
Clarksburg	Harrison	1,015	25	33.6	−1.0	69	19†	7	10	3.62	+0.58	1.20	5	16.5	12	14	6	9	w.	Clarksburg Water Board
Creston	Wirt	640	47	35.2	+0.5	73	28	−5	1	4.04	+0.85	0.85	5	23.5	12	9	5	15	.....	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	26	34.2	.....	73	28	0	9	3.26	+0.39	0.60	5	11.7	14	14	3	12	ne.	Lockmaster
Dam 13 O. R	Marshall	655	32	.....	.....	.....	.....	.....	....	2.32	−0.11	0.63	5	9.5	13	....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	26	.....	.....	.....	.....	.....	....	3.31	+0.32	0.87	5	16.0	11	....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	31	.....	.....	.....	.....	.....	.....	3.57	+1.00	0.80	14	12.0	13	.	....	..	.....	Lockmaster
Dam 20 O. R	Wood	600	31	.....	.....	.....	.....	.....	.....	3.08	+0.32	0.70	28	.....	10	....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	49	34.5	+3.4	69	19	−2	10	4.06	+0.86	1.29	5	16.6	16	5	7	17	w.	U. S. Weather Bureau
Fairmont	Marion	1,023	56	35.6	+2.5	72	19†	5	9	2.70	−0.32	1.08	4	12.2	13	7	10	12	sw.	Monongahela Power Co.
Glenville	Gilmer	738	60	38.1	+3.5	73	28	−1	3	4.59	+1.02	0.94	5‡	16.5	15	6	11	12	w.	Fred W. Wells
Grafton	Taylor	1,100	54	35.4	+2.8	71	28	−1	9	3.89	+0.98	0.99	4	22.1	14	13	5	11	w.	William D. Myers
Grantsville	Calhoun	730	3	37.2[a]	.....	75[a]	19	1	3	3.86	.....	1.12	4	9.0	10	3	13	13	.....	Hope Natural Gas Co.
Harrison County Airport	Harrison	1,188	8	34.5[a]	.....	70[a]	19	0[a]	9	2.94	.....	1.02	4	15.5	13	3[a]	6[a]	19[a]	sw.	U. S. Airway Station
Hastings	Wetzel	809	13	....	.....	.....	.....	.....	.....	3.60	+0.34	0.68	14	15.0	13	10	8	11	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	24	.....	.....	.....	.....	.....	.....	4.35	+1.58	1.01	4	12.7	14	.....	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	7	33.0	.....	65	28	−7	10	6.57	.....	1.36	26	29.0	15	13	4	12	...	O. C. Hamilton
Mannington, 1½ mi. NW.	Marion	974	46	34.8	+2.0	72	28	−7	10	3.71	+0.81	0.92	26	15.9	13	8	10	11	w.	James A. Morgan
Middlebourne, 2½ mi. SE.	Tyler	750	7	35.2	....	71	19	−8	9	2.73	.....	0.59	5	9.2	9	8	10	*11*	e.	L. A. Crumrine
Morgantown	Monongalia	1,250	72	37.6	+4.8	72	19†	0	9	2.83	+0.27	.....	....	7.8	14	.....	.....	.....	sw.	Prof. L. M. Peairs
New Cumberland	Hancock	671	53	32.8	+3.7	65	28	−7	9	2.47	+0.03	0.49	14†	....	10	13	2	14	nw.	C. O. Valentine
New Martinsville	Wetzel	637	54	36.0	+2.5	72	28	−1	9	2.99	+0.15	0.64	4	10.4	12	8	9	12	nw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	63	36.6	+2.4	74	19	3	9	3.45	+0.22	1.05	4	14.8	13	6	7	16	n.	Section Center
Parsons	Tucker	1,649	49	35.0	+3.3	70	19	−5	9	5.45	+1.93	1.04	4	31.0	16	15	4	10	nw.	D. A. Oliver
Philippi	Barbour	1,300	54	.....	.....	.....	.....	.....	.....	4.73	+1.55	1.25	4	26.4	14	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	24	.....	.....	.....	.....	.....	....	4.29	+0.91	1.03	4	15.0	14	2	7	20	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	63	33.1	.....	70	19†	−1	9	4.33	+0.68	1.13	5	22.0	12	.....	.....	...	ne.	W. H. Bolyard
Thomas	Tucker	2,950	19	.....	.....	.....	.....	.....	.....	6.23	+2.67	1.09	1	36.5	14	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	24	38.4	−0.1	71	19†	−3	3	4.82	+1.75	0.95	4	21.0	13	8	11	10	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	55	32.4	+2.4	69	19	−14	9	2.55	+0.36	0.70	13	6.0	7	13	6	10	.....	George P. Pfister
West Milford‡	Harrison	979	22	.....	.....	.....	.....	.....	.....	3.64	+0.31	0.63	26	18.0	11	.....	.....	.....	.....	Scotland G. Highland
Wheeling (Dam 12)	Ohio	659	64	31.8	−0.3	68	19	−2	9†	2.34	+0.05	0.77	14	14.0	13	11	5	13	sw.	Lockmaster
Means and Extremes		.....	....	**34.9**	.....	**75**	**19**	**−14**	**9**	**4.04**	.....	**1.78**	**26**	**17.8**	**13**	**9**	**9**	**11**	w.	
Southern Division																				
Arbovale	Pocahontas	2,727	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. S. Sutton
Athens	Mercer	2,600	8	37.9	....	69	28	7	3†	3.03	.....	0.78	13	.....	12	12	9	8	.....	Concord College
Bluefield	Mercer	2,558	53	39.7	+4.9	68	29	11	10	3.76	+0.83	0.59	16	.....	14	10[a]	3[a]	15[a]	.....	Norfolk & Western Ry
Bluestone Dam	Summers	1,407	6	37.6	.....	75	28	6	3†	3.48	.....	0.75	1	14.0	11	8	12	9	.....	Willard F. Russell
Charleston	Kanawha	615	61	38.2	−1.0	73	19†	5	3	3.28	−0.03	0.57	26	12.3	12	11	6	12	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	§950	0	38.9	....	72	19†	8	10	2.81	.....	0.77	5	6.4	13	5	4	20	sw.	Civil Aero. Administration
Coalwood	McDowell	1,450	6	41.3	.....	76	28	3	3	4.17	....	0.86	13	8.5	11	6	11	12	e.	W. A. McNees
Cranberry Glades	Pocahontas	3,400	4	35.3	....	64	28†	9	15	1.95	.....	0.95	26	5.1	13	9	3	17	n.	Department of Justice
Flat Top	Mercer	3,270	10	33.8	.....	66	19	3	10	4.02	.....	1.18	13	13.2	14	5	7	17	nw.	U. S. Airway Station
Gary	McDowell	1,426	31	39.6	+1.7	72	28	4	3	3.96	+0.82	0.70	6	6.0	14	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	5	36.0	.....	76	19	−5	3	3.68	....	0.58	14	16.8	9	10	7	12	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	59	39.2	+3.7	76	28	10	3	3.14	+0.25	0.73	1	14.2	11	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	52	40.4	+5.7	75	19	8	3†	3.36	+0.28	0.79	28	14.7	12	7	12	10	ne.	H. N. Robinson
Kayford	Kanawha	1,335	31	.....	.....	.....	.....	.....	.....	4.71	+1.27	0.75	26	.....	12	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	52	36.4	+3.1	73	28	4	10	3.50	+0.71	1.09	13	13.9	11	11	4	14	.....	Prof. H. B. Graybill
Logan	Logan	700	35	40.5	+1.0	75	19†	10	3†	4.65	+1.15	1.02	14	9.0	13	10	3	16	.....	J. W. Ruff
London Locks	Kanawha	623	13	38.2	....	74	28	10	11	4.53	+1.34	0.99	4	9.5	14	.....	.....	...	se.	Lockmaster
Madison	Boone	675	27	38.9	+2.3	75	28	2	3†	4.01	+0.78	0.84	5	11.7	10	2[a]	9[a]	17[a]	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	6	35.2	.....	69	28	8	3†	4.91	.....	0.91	14	....	13	4	3	22	.....	M. H. Martin
Pineville	Wyoming	1,350	6	38.4	.....	72	28	9	10	5.24	.....	1.13	13	....	10	...	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	595	58	37.9	+4.5	70	19†	−4	2	3.36	+0.21	0.75	28	15.5	11	6	7	16	sw.	E. C. Winger
Ralnelle	Greenbrier	2,424	17	35.6	+2.1	69	28	−1	3	5.10	+0.89	1.03	26	16.5	14	8	5	16	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	33	38.4	−0.4	80	24	−6	2	4.25	+1.28	0.96	11	.....	12	11	5	13	sw.	Lockmaster
Richwood	Nicholas	2,193	17	32.3	−2.2	68	19†	−4	3†	.....	.....	.....	.....	.....	.....	8	5	16	.....	Richwood Water Co.
Ripley	Jackson	610	6	37.1[a]	....	69	20†	−6	2	3.43	...	0.68	4	.....	14	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	49	35.8	+0.6	73	28	4	3	5.14	+1.99	1.16	12	16.5	8	1[a]	17[a]	10[a]	.....	A. M. McKown
Summersville	Nicholas	1,900	12	33.8	.....	70	27	−8	2	3.55	.....	.....	....	12.0	10	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	850	45	38.5	+2.4	72	19†	0	3	6.69	+3.25	2.52	14	16.0	13	13[a]	14[a]	1[a]	.....	C. B. Eakle
Union	Monroe	2,200	44	33.9	−1.3	72	28	−1	3	3.41	+0.56	0.84	1	20.5	11	.....	.....	.....	w.	Thelma F. Spangler
Webster Springs	Webster	1,500	16	39.6	...	71	19	6	3	3.94	.....	1.12	26	16.0	11	14	2	13	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	34	37.8	+2.3	71	28	1	3	3.71	+1.11	0.98	13	15.0	11	8	5	16	w.	Greenbrier Hotel
Williamson	Mingo	673	47	41.0	+3.6	78	28	10	3†	4.44	+1.09	1.05	13	9.5	12	13[a]	4[a]	11[a]	se.	Norfolk & Western Ry
Winfield Locks	Putnam	571	10	36.0	.....	72	19	5	11	3.45	.....	0.71	28	12.5	11	.....	.....	.....	w.	Lockmaster
Means and Extremes		...	...	**37.1**	...	**78**	**25†**	**−12**	**3**	**8.90**	.....	**2.52**	**14**	**12.8**	**11**	**8**	**7**	**14**	w.	
State Averages and Extremes		.....	....	**35.8**	**+2.5**	**79**	**28**	**−14**	**7†**	**8.61**	**+0.50**	**2.52**	**14**	**15.7**	**12**	**9**	**8**	**12**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period c record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but no for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S *Italics* interpolated. § New location; moved from Institute to Kanawha County Airport November 29, 1947. * Greatest 24-hour amount occurred on Jan. 31-Feb 1.

Daily Precipitation for February 1948

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.42		T.	.88	.10	.06	.05	.24				.03	.02	.70	T.					T.		.52			.16	.60	T.	.28				4.06
Brushy Run[2]	do.	1.04			.11	.19	.07							.02	.12								.36				T.		.08				1.99
Harpers Ferry[2]	do.				T.	.39	.10						.02	.12	.10								.33				.23	.08	T.				1.37
Inwood	do.				.05		.05								.20								.30				.50						1.10
Kearneysville	do.				.21	.20	.07		T.			T.	T.	.10	.12								.30				.26						1.26
Knobly Mountain[2]†	do.	.10				.50			.10					.12	.15								.60				.10		.16				1.83
Martinsburg[4]	do.				.22	.05	.06	T.	T.			T.	T.	.12	.16					T.			.30				.23	T.	.03	T.			1.17
McNellI†	do.	.35			.22	.12	T.								.09								.40			T.	T.	T.					1.18
Petersburg	do.	.51			.42	T.	.03	T.	T.				T.	.07	.06			.01				.07	.40			T.	T.	.30	.02				1.89
Piedmont	do.	.06			.48	.31	.06		.07					.04	.19								.73				.17		.18				2.29
Romney	do.	.10			.40	.16	.05		.02					.07	.15			.01								.06	.01	.06	.07				1.61
Spruce Knob[2]†	do.	.38			.09	.15									.34	.09		.08	.17				.18	.03		.36	.87	.24	.34	T.			3.32
Stoney River Dam[2]†	do.	.32			.60	.80			.05				.05		.53	.04		.18					.33			.30	.70	.07	.40				4.37
Wardensville[2]	do.	T.			T.	.11	T.							.03	.09								.29				.08		.05				0.65
Northern Division																																	
Aberdeen†	West Fork	.52			1.03	.47	.11	T.	.20				.15	T.	.49			T.			T.		.25			.26	.81	.08	.30				4.67
Belington[2]	Tygart	.90			.41	.94	.12		.31				.10	.07	.40	.07							.28			.04	.84	.26	.41	.02			5.17
Benson†	West Fork	.15			1.15	.40	.09		.12				.20	.03	.44								.35			.30	.75	.10	.20				4.28
Bens Run	Ohio	.09			.72	.26			.08					.42	.39								.21			.22		.15	.30				2.84
Big Skin Creek	West Fork	.32			1.30	.13	.30		.20						.85								.20	.04		.08	.43	.17	.32				4.34
Brandonville[2]	Cheat	•			•	•	•		•	•			•	•	2.91	.06							.34			.83	.13	.26					4.53
Brownsville†	West Fork	.30			.95	.40	.12		.28				.17	.06	.57								.18			.31	1.00	.08	.34				4.76
Buckhannon	Tygart	.39			1.11	.30	.14	.08	.29				.16	.03	.60			T.			T.		.12			.31	.97	.13	.35				4.98
Cairo	Litl.Kanawha	.08			.99	.24	.05	T.					.02	.03	.52						T.		.23	T.		.28	.70	.15	.20				3.49
Canaan Valley	Cheat	•			•	•	•		4.23				T.	.10	.54			T.					.30			.36	.87	.08	.28				6.76
Clarksburg[2]	West Fork	.40			.37	.83	.05		.10				.13		.40								.35			.08	.62	.08	.21				3.62
Crawford	do.	.42			1.05	.45	.15		.26				.11	.03	.39								.29			.39	.84	.12	.44				4.94
Creston[2]	Litl.Kanawha	.21	T.		.44	.85	.13		T.	T.			.15	T.	.35	.11					T.		.38			.05	.76	.10	.51				4.04
Dailey[2]†	Tygart	1.00			.18	.90	.16	T.	.11	.02			.04	.06	.21	.01		T.	.05		T.		.30			.02	.83	.15	.20				4.24
Dam 10, Mon. R. [2]†	Monongahela.	.09			.38	.60	.08		.10	.02			.08	.04	.59	.02					T.		.34			T.	.57	.06	.29				3.26
Dam 13, O. R. [2]†	Ohio	.04			.20	.43	.06		T.	T.			.03	.03	.41	.04						.02	.36				.40	.05	.25				2.32
Dam 15, Mon. R. [2]†	Monongahela.	.17			.24	.87	.06	T.	.11	T.			.07	T.	.55	T.							.38				.47	.08	.31				3.31
Dam 19, O. R. [2]†	Ohio	.14			.32	.50	.05		.02				.11	.09	.80	.04							.26			.07	.55		.62				3.57
Dam 20, O. R. [2]†	do.				.32	.64	.01						.14	.02	.52	T.							.13			.07	.53	T.	.70				3.08
Elk†	West Fork	.45			.98		.40								.60								.10			.76	.54	.22					4.05
Elkins[1]‡	Tygart	.42	T.	T.	1.27	.10	.06	.19	.04				.07	.09	.25			.07		T.		.10	.14			.35	.67	.11	.13				4.06
Fairmont[2]	Monongahela.	.02			1.08		.01	.19	T				.09	.17	.30					T.		•	.21			.20	.18	.13	.12	T.			2.70
Glenville[2]	Litl.Kanawha	.22			.38	.94	.17		.14	.02			.14	.07	.44	.07		T.			T.		.37			.09	.94	.09	.51				4.59
Grafton	Tygart	.27			.99	.26	.08	.06	.16				.12	.04	.47								.45			.25	.59	.07	.08				3.89
Grantsville	Litl.Kanawha				1.12	T.	.13		.03				.16	.04	.48	T.							.43			.06	.91	T.	.50				3.86
Hackers Creek†	West Fork	.40			1.05								T.	.10	.50								.40			.36	.30	.51	.25				3.87
Hall[2]	Tygart	.81	T.		.46	1.00	.11	T.	.32	T.			.14	.04	.51	T.		.03	T.	T.	T.		.21			.04	.93	.08	.48				5.16
Harrison Co. Arpt[4]	West Fork	.02		T.	1.02	T.		.13	T.			.01	.08	.19	.27			.01				.18	.05			.46	.37	.15	T.				2.94
Hastings	Ohio	.14			.66	.26	.04		.09				.10	.05	.68								.25			.26	.58		.48	.01			3.60
Horner	West Fork																																
Ireland	do.	.44			.94	.28	.06		.24				.06	.03	.34								.35			T.	.92	.23	.47				4.36
Jane Lew	do.	.33			1.01	.39	.10	.01	.16				.17	.05	.49								.43			.26	.64	.07	.24				4.35
Kingwood	Cheat																				T.		.42			.12	.70		T.				M
Kumbrabow St.For.†	[2]Tygart	1.20			.80	.25	.22		.21				.13	.29	.74			.20			.02		.43			.48	1.36	.09	.15				6.57
Mannington	Monongahela.	.13			.74	.30	.08		.10				.06	.05	.40						T.		.30			.17	.92	.06	.70				3.71
Middlebourne[2]	Middle Is. Crk.	.10			.33	.59	T.		T.				.12		.39	.09							.20				.52	T.	.39				2.73
Midvale[2]†	Tygart	.76			.44	1.01	.16		.40	.04			.10	.08	.40	.10				.04			.29			.04	1.30	.30	.44				5.90
Morgantown	Monongahela.	.05			.62	.05	•	•	.18				•	•	.62								.36			.10	.60	.10	.15	T.			2.83
Mt. Clare	West Fork																																
New Cumberland	Ohio.				.45								.02	.45	.49	.07							.49			.09	.28	.02	.11				2.47
New Martinsville	do.	.06			.64	.05	.03						.13	.41	.39						T.		.27			.17	.53	.10	.21				2.99
Parkersburg[4]†	do.	T.		T.	1.05	.02	.03	.13	T.			T.	.12	.63	.08					T.		.09	.05		.37	.26	.24	.38				3.45
Parsons	Cheat.	.93			1.04	.43	.09	.02	.32				.12	.03	.55			.05			.01		.24			.34	.87	.06	.35				5.45
Philippi[2]	Tygart	.62			.38	.87	.10	T.	.24	T.			.18	.05	.47	.07		T.	T.		T.		.25			.04	.85	.18	.43				4.73
Roanoke	West Fork	.31			1.03	.11	.09	.07	.20				.15	.07	.26			T.					.25			.40	.86	.15	.34				4.29
Rockford†	do.	.35			.98	.35	.14	.02	.13				.20	.11	.41					T.			.42			.28	.57	.14	.20				4.30
Rowlesburg[2]	Cheat.	.15			.25	1.13	T.		.33	T.			.10	.05	.55	.07		T.	T.		T.		.47			T.	.72	.20	.31				4.33
Salem	West Fork	.27			1.00	.24	T.	.06	.05				T.	.13	.65							.24	T.			T.	.45	.18					3.27
Sand Fork	Litl.Kanawha	.48			1.18	.43	.17	.03	.26				.14	.04	.47			T.					.16			.45	.93	.14	.53				5.41
Shinnston	West Fork	.23			.86	T.	.29	T.	T.				T.	.08	.71					T.			.28			.26	.41	.09	.16	T.			3.37
Thomas[2]	Cheat.	1.09			.50	.66	.10		.55	T.			.05	.22	.70	.10		T.	.05				.38			T.	.95	.45	.43	T.			6.23
Upper Davisson Run.	West Fork	.33			.94	.28	.06	T.	.06				.14	.01	.45								.31			.37	.51	.10	.17				3.72
Valley Chapel	do.	.44			.95	.30	.18		.13				.18	.05	.52								.50			.32	.80	.10	.35				4.82
Valley Head[2]	Tygart	.76			.06	.83	.21	T.	.15	T.			.06	.06	.61	.10		T.	T.		T.		.31			.05	.82	.52	.18				4.72
Vandalia†	West Fork																																
Wellsburg (near)	Ohio.	T.			.39	T.								.70	.54								.26			.08	.45		.13				2.55
West Milford	West Fork	.55			.50		.09		.10				.20	.05	.45								.50			.25	.63		.32				3.64
Weston[2]	do.	.33			.26	1.18	.14		.22	.03			.12	.08	.51	.07							.45	.02		.03	.98	.45	.48	.03			5.38
Wheeling (Dam 12)[2]	Ohio	.03			.19	.43	.02			T.			.04	.02	.77	.01						.02	.21				.37	.08	.15				2.34
Southern Division																																	
Arbovale	Greenbrier																																
Athens	New	.44	T.		.20	.11	.64	T.			.13		.24	.78	.10			.01					.12			.05	.21	T.					3.03
Bluefield	do.	.53			.10	.18	.31	.16		.04	.19		.33	.49	.08		.59						.22			.05	.49	T.					3.76
Bluestone Dam	do.	.75			T.	.37	.48		.01				.27	.63	.40				T.				.26			.02	.21	.08	T.				3.48
Camden-on-Gauley[2]	Gauley	.82			.08	.91	.31		.30				.16		.38			.07	.03				.23			.04	.92	.28	.23				4.76
Charleston	Gr. Kanawha.	.46			.08	.52	.35		.07				.19	.03	.42	T.		T.			T.		.26			T.	.57	.02	.31				3.28
Charleston Airport	do.	.05		T.	.64	.38	.05	.06	T.				.20	.36	.15			T.		T.		.14	.02			.08	.54	.14	T.				2.81
Coalwood	Big Sandy	.35			.29	.19	.63	T.	.09				.41	.86	.43								.13			.09	.70	T.					4.17
Cranberry Glades	Cranberry		.02	.02	.05	T.							.05	.08	T.	.04	.03	.05					.32			.22	.95	.02	.10				1.95
Flat Top[4]	New			.12	.47	.47	.03	.03	T.			.12	.34	1.17	.21			T.				.22	T.		.01	.40	.42	.01					4.02
Gary[2]	Big Sandy	.65			T.	.21	.70	.02	.05				.39	.67	.44			.02					.12			.08	.52	.08	.01				3.96
Hamlin	Mud	.55				.55	.38						.23	.10	.58								.25				.51		.53				3.68
Hinton[2]	New	.73				.37	.05		T.	T.			.27	.69	.46	T.			T.				.25			.02	.22	.07	.01				3.14
Hogsett	Ohio.	.31			.12	.30	.23		.01				.11	.06	.67	.04							.20			T.	.43	T.	.57				3.05
Huntington	do.	.25			.30	.03	.43	T.					.15	.19	.48					T.			.23			.01	.40	.10	.79				3.36
Kayford[2]	Gr. Kanawha.	.43			•	1.07	.47						•	.87	.65						.03		.14			.05	.75	.25					4.71
Lewisburg	Greenbrier	.56			.40	.13	.42	T.					.16	1.09	.20			T.					.23			.02	.27	.02					3.50
Logan[2]	Guyandot	.53	T.		T.	.75	.44		.09	T.			.31	.50	1.02	.01			T.		T.		.15			.01	.63	.15	.06				4.65
London Locks[2]†	Gr. Kanawha.	.32	T.		.04	.95	.49		.20	T.			.14	.09	.75	.10			.03				.36			T.	.62	.32	.12	T.			4.53
Madison[2]	Coal	.65				.84	.50		.12				.25	.19	.70								.15				.48	.13					4.01
Oak Hill	New	.50			.69	.62	.48		.15				.23	.35	.91				.02				.20				.51	.22	.03				4.91
Pineville[2]	Guyandot	.70				.71	.55		T.				.35	.75	1.13								.12			.04	.75	.14	T.				5.24
Point Pleasant[2]	Ohio	.50	T.		.20	.02	.46						.02	.10	.56								.20			.02	.53		.75				3.36
Princeton[2]	New	.51				.25	.63		T.		.05		.20	.47	.20								.06			.05	.19	.01					2.62
Rainelle	Greenbrier	.56			.60	.23	.50	.04	.10				.25	.73	.63			.01					.22	T.		.14	1.03	.06					5.10
Ravenswood[2]	Ohio	.27			.28	.54	.10						.96	.09	.45	.03							.21			.02	.72	T.	.58				4.25

Continued on next page.

Daily Precipitation for February 1948—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	....	....	....	....	.35	.33	....	.16	....	....	....	.18	.13	.70	.14	....	....	....	....	....	....	.17	....	....	....	.98	.42	.10	....	....	....	§§
Ripley	Ohio	.21	....	....	.68	.19	.16	.01	.01	....	....	....	.17	.15	.37	....	....	....	....	....	....	....	.32	....	....	.15	.49	.18	.39	....	....	....	3.42
Senaca State Forest	Greenbrier	.09	....	....	.08	T.	.36	T.	T.	....	....	....	....	1.10	T.	....	....	....	....	....	....	....	.14	T.	.15	.25	.27	T.	.09	....	....	....	2.53
Spencer [2]	Litl.Kanawha	.60	....	....	T.	....	....	....	T.	....	....	1.16	1.10	.58	.08	....	....	....	....	....	T.	....	.26	....	....	....	.70	T.	.66	....	....	....	5.14
Summersville [2]	Gauley	*	....	....	1.05	.35	....	....	....	....	....	....	.10	.65	....	....	....	....	....	....	....	....	.40	.05	..	.80	.10	.05	....	....	....	....	3.55
Sutton	Elk	.70	....	....	T.	.34	.50	.05	.10	..	....	....	.12	.07	2.45	....	....	....	....	....	....	....	.34	....	....	.12	1.35	.18	.37	....	....	....	6.69
Union [2]	New	.84	....	....	.40	.50	....	....	....	.09	....	....	.12	.47	.37	....	....	....	....	....	....	....	.18	....	....	.05	.30	.09	....	....	....	....	3.41
Wayne [2]	Twelvepole	.60	....	....	.42	....	.46	.04	....	....	....	....	.20	.48	1.13	....	....	....	....	....	....	....	.30	....	....	.09	.49	.09	.38	....	....	....	4.68
Webster Springs	Elk	.50	....	....	....	.70	.30	.10	....	....	....	....	....	.20	.25	....	....	....	....	....	....	....	.40	....	....	.18	1.12	.06	.13	....	....	....	3.94
White Sulp'r Spgs	Greenbrier	.50	....	....	.40	.25	.42	T.	....	....	....	....	.14	.98	.12	....	....	....	....	....	....	....	.28	....	....	.31	.29	.05	T.	....	....	....	3.74
Williamson [2]	Big Sandy	.45	....	....	....	.67	.48	....	.07	....	....	....	.33	1.05	.92	....	....	....	....	....	.01	....	.20	....	....	.01	.17	.08	....	....	....	....	4.44
Winfield Locks [2†]	Gr. Kanawha	.45	....	....	.03	.52	.36	....	.03	....	....	....	.06	.02	.52	....	....	....	....	....	T.	....	.31	....	..	T.	.44	T.	.71	..	....	....	3.45

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage. * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson. Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Mildvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont [5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for February 1948

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	33	33	42	42	38	37	42	41	27	30	46	46	55	58	51	58	55	65	67	63	43	39	34	43	52	54	54	69	64	..	...	47.6
	Minimum	13	17	7	32	31	30	19	27	17	7	9	34	37	27	22	31	42	34	45	34	21	22	23	23	38	49	39	50	38	....	....	28.2
Bayard	Maximum	32	32	30	35	35	32	40	36	16	25	45	38	53	54	46	55	53	57	64	58	35	30	32	51	48	48	56	66	56	....	....	43.2
	Minimum	27	18	12	12	25	22	− 1	16	−13	− 9	− 2	28	29	24	15	16	28	26	29	20	13	16	13	12	29	40	25	41	28	....	....	18.6
Bluefield	Maximum	32	32	39	44	41	37	39	39	29	30	47	47	57	60	52	57	57	64	66	64	46	....	33	47	52	53	56	66	68	....	....	*48.4
	Minimum	14	18	12	35	32	31	23	21	20	11	23	36	37	29	25	37	46	39	47	37	25	....	24	25	42	49	41	51	39	..	....	*31.0
Brandonville	Maximum	21	30	30	34	33	40	24	38	22	28	41	55	37	40	51	55	63	66	30	36	35	35	50	48	52	58	62	55	45	..	....	41.9
	Minimum	14	10	16	18	24	23	− 7	− 8	−14	−10	8	25	30	32	18	19	36	33	20	21	12	14	16	16	21	43	27	28	29	....	.	17.7
Buckhannon	Maximum	30	29	34	35	34	32	39	38	25	33	49	40	61	63	46	60	61	65	69	65	36	36	49	57	51	55	59	69	62	....	.	47.7
	Minimum	20	16	6	24	28	23	6	22	4	5	11	33	33	29	16	26	43	30	39	27	17	21	20	22	38	48	26	41	32	..	....	24.3
Cairo	Maximum	25	25	36	33	34	35	34	35	36	34	36	52	47	45	48	62	65	70	73	67	34	43	54	61	53	56	58	73	56	..	....	47.6
	Minimum	19	5	0	27	28	23	11	− 2	0	0	− 1	32	30	25	18	24	33	27	34	29	21	22	18	20	40	47	26	45	34	..	....	21.9
Charleston (Airport)	Maximum	28	34	40	37	35	32	37	37	26	36	54	39	68	60	51	61	62	69	72	56	37	41	50	59	54	56	58	72	55	..	..	48.8
	Minimum	16	18	12	33	30	18	19	17	12	8	26	36	36	30	25	32	44	39	45	28	23	27	32	34	48	40	31	53	29	....	....	29.0
Clarksburg [3]	Maximum	29	31	35	35	32	33	38	31	25	31	50	40	62	37	46	60	61	65	69	37	34	39	46	59	52	54	64	69	37	....	..	44.9
	Minimum	6	20	8	19	29	27	16	18	8	7	10	13	34	34	20	20	26	31	31	30	17	18	23	21	22	46	27	28	34	....	....	22.2
Cranberry Glades	Maximum	39	43	41	38	36	34	38	47	52	36	39	44	45	50	40	45	48	51	59	61	53	45	41	36	54	49	47	64	64	....	....	46.2
	Minimum	15	19	12	16	33	31	35	30	30	15	10	23	41	25	9	20	36	22	28	28	14	17	19	15	30	44	23	39	30	..	....	24.4
Elkins	Maximum	32	31	37	35	34	30	41	35	28	39	45	42	59	60	50	57	57	65	69	57	40	38	43	51	52	53	58	68	49	....	....	46.7
	Minimum	16	12	18	26	28	10	1	12	0	− 2	9	33	33	27	16	25	31	32	33	21	18	20	21	29	41	35	27	48	28	....	..	22.3
Fairmont [3]	Maximum	30	31	33	33	32	32	36	33	25	35	51	39	56	56	45	61	65	67	72	54	34	38	47	59	51	58	58	72	47	....	..	46.6
	Minimum	18	18	15	26	27	18	15	10	5	8	15	34	34	29	21	24	32	30	41	23	18	23	23	24	42	37	27	47	30	....	....	24.6
Flat Top	Maximum	29	32	39	38	34	31	39	33	21	27	39	45	52	52	46	55	51	61	66	50	41	31	32	39	49	49	50	65	47	....	....	42.9
	Minimum	13	14	14	30	28	11	14	16	13	3	18	34	36	24	18	32	33	36	43	22	20	19	20	20	38	40	39	46	23	....	.	24.7
Gary [3]	Maximum	34	35	45	45	40	38	44	35	32	44	58	47	68	41	57	64	61	70	71	47	55	42	47	62	55	55	65	72	56	....	....	51.2
	Minimum	20	21	4	5	35	32	25	30	23	15	15	22	40	41	25	27	30	29	30	37	24	24	30	28	28	44	43	44	42	....	..	28.0
Glenville	Maximum	30	34	38	36	35	34	40	39	28	33	51	40	64	64	48	63	64	69	72	69	36	43	51	59	53	59	57	73	65	....	....	49.9
	Minimum	19	18	− 1	27	30	25	17	25	8	0	15	33	34	32	21	26	46	29	37	30	22	25	24	21	40	50	29	46	35	....	....	26.3
Grafton	Maximum	33	29	33	34	33	31	39	37	26	33	52	40	58	63	44	60	60	65	70	66	38	37	43	57	51	54	60	71	62	....	....	47.6
	Minimum	18	18	2	20	27	21	8	18	− 1	8	11	32	32	30	17	23	42	25	34	25	18	22	15	15	35	47	26	48	34	....	....	23.1
Huntington	Maximum	27	36	39	38	38	36	39	39	29	36	53	45	67	67	52	62	65	73	75	67	37	41	54	63	59	61	58	74	65	....	....	51.6
	Minimum	16	14	8	32	30	28	18	29	10	8	20	35	36	30	24	30	50	34	41	30	23	25	32	28	47	51	32	53	31	....	....	29.1
Lewisburg	Maximum	32	36	37	38	38	38	32	36	25	32	36	44	45	51	49	58	58	68	70	62	45	40	34	37	51	54	52	73	55	....	....	45.7
	Minimum	12	15	5	27	32	32	28	23	14	4	23	33	36	30	20	24	35	28	37	35	21	23	24	21	34	48	31	46	42	....	....	27.0
Logan [3]	Maximum	29	37	40	38	37	33	37	32	31	42	55	54	71	41	57	65	66	73	75	47	45	43	56	65	57	57	68	75	55	....	....	51.1
	Minimum	20	20	10	10	35	32	26	28	19	15	15	27	38	39	29	30	32	36	36	35	27	27	33	34	34	51	42	44	42	....	....	29.9
Madison [3]	Maximum	29	37	44	39	37	33	37	32	31	40	54	53	70	60	53	63	65	71	74	45	42	41	54	65	57	59	68	75	..	....	....	*51.0
	Minimum	17	19	2	2	22	30	23	18	16	11	11	27	35	36	34	26	30	31	32	32	24	27	35	28	35	49	41	41	42	....	....	26.8
Mannington	Maximum	31	33	32	35	35	35	38	37	27	34	50	44	57	59	46	57	63	67	71	68	37	42	48	58	60	57	58	72	70	....	....	49.0
	Minimum	9	17	4	21	25	26	− 1	22	− 1	− 7	6	30	30	29	22	17	28	25	31	25	15	18	14	16	34	46	22	43	32	....	....	20.6
Martinsburg	Maximum	31	35	36	29	27	36	31	38	21	26	23	41	36	49	47	53	60	68	71	62	34	31	34	34	61	60	62	75	57	....	....	43.7
	Minimum	10	12	24	20	14	20	2	14	4	0	− 2	23	29	32	26	24	32	33	34	26	21	20	12	11	31	45	34	44	35	..	....	23.1
Middlebourne	Maximum	27	36	37	35	31	35	37	30	30	38	51	42	57	57	47	60	62	69	71	39	35	40	48	58	52	57	60	70	38	....	..	46.5
	Minimum	20	1	3	26	28	26	6	29	− 8	− 4	11	32	33	37	17	26	34	29	38	28	19	25	19	22	38	48	28	48	35	....	....	23.9
Morgantown	Maximum	32	33	32	35	35	32	38	38	26	33	46	43	59	54	46	62	62	69	72	66	41	35	48	61	58	61	62	72	57	....	....	48.6
	Minimum	18	19	22	23	23	27	11	18	0	7	18	35	31	31	24	26	47	37	43	25	16	20	22	27	50	46	47	26	34	....	..	26.7
New Martinsville	Maximum	29	35	33	35	35	36	36	35	26	35	47	41	55	56	47	60	64	68	71	63	34	40	48	59	51	59	58	72	60	....	....	47.9
	Minimum	18	9	11	25	24	24	4	19	− 1	4	15	34	34	31	19	24	34	28	35	25	16	22	20	22	40	47	38	45	34	....	....	24.1
Parkersburg	Maximum	27	33	34	35	34	36	37	36	26	33	47	41	56	55	50	59	64	68	74	48	30	39	51	59	53	56	58	70	48	....	....	46.8
	Minimum	18	10	17	28	25	18	10	12	3	6	20	34	35	30	25	30	43	40	48	24	19	24	26	29	48	38	30	48	31	....	....	26.5
Petersburg	Maximum	30	39	40	29	30	40	32	41	23	29	37	43	53	54	53	56	62	71	73	61	38	31	39	44	64	62	62	75	55	....	....	47.1
	Minimum	7	− 4	10	24	25	16	0	17	0	− 1	0	25	33	33	25	25	36	36	36	26	21	22	8	8	32	46	30	49	34	..	....	21.3
Point Pleasant	Maximum	28	34	36	38	38	36	38	38	31	34	45	45	55	56	45	57	63	67	70	66	39	40	53	60	60	55	56	68	70	....	....	49.0
	Minimum	17	− 4	0	30	29	25	9	28	6	6	18	34	35	32	21	29	45	34	43	29	21	24	27	27	44	50	30	51	36	....	..	26.8
Rainelle	Maximum	34	37	43	38	37	34	34	37	27	34	39	44	47	55	50	55	58	61	68	54	45	40	38	38	50	55	50	69	62	....	....	46.0
	Minimum	12	17	− 1	29	30	27	12	22	13	2	22	33	35	27	22	25	32	27	31	29	18	23	25	23	36	47	29	47	35	....	....	25.1
Spencer	Maximum	27	33	38	35	33	34	39	30	27	35	51	49	51	35	49	55	64	70	72	39	35	40	49	59	55	57	61	73	45	....	....	46.2
	Minimum	16	16	4	7	30	26	15	20	10	6	15	34	35	33	20	27	41	32	37	29	21	24	29	27	39	49	28	34	35	....	..	25.5
Summersville [3]	Maximum	30	41	37	32	32	39	28	31	34	46	43	59	46	52	58	60	67	69	41	44	39	51	48	52	59	63	70	47	56	....	....	47.4
	Minimum	8	− 8	− 2	27	25	− 1	22	8	− 1	0	30	24	39	12	22	36	23	30	26	15	22	27	34	21	33	25	36	33	17	....	....	20.1
Sutton	Maximum	30	33	40	40	40	35	36	36	34	38	53	53	54	54	54	63	66	71	72	72	47	43	53	60	60	60	60	72	72	....	....	51.8
	Minimum	15	20	0	29	30	31	9	8	11	5	15	32	32	31	20	25	40	28	36	32	21	24	30	20	38	40	30	44	36	....	....	25.2
Wardensville [3]	Maximum	34	38	39	28	28	39	....	39	23	21	38	48	60	48	52	56	62	68	72	39	37	30	34	39	62	62	61	75	45	..	..	*45.6
	Minimum	− 8	− 4	0	22	21	20	− 2	....	− 1	− 6	− 2	14	29	36	22	22	34	25	32	36	16	18	2	5	12	35	26	33	40	....	....	*17.0
Wheeling [3]	Maximum	30	33	31	35	29	33	87	26	23	30	44	39	55	36	43	56	58	64	68	44	29	39	43	54	49	55	58	66	57	....	.	43.6
	Minimum	1	14	16	20	20	20	5	7	− 2	− 2	5	19	30	34	23	23	28	34	35	21	13	14	19	20	24	46	29	30	34	....	....	20.0
White Sulphur Spgs.	Maximum	34	86	42	42	39	37	34	37	36	35	42	45	48	60	55	58	58	68	70	66	50	42	40	38	53	56	55	71	70	..	..	48.9
	Minimum	12	18	1	28	32	32	10	29	17	7	27	32	35	31	25	23	32	25	32	36	18	23	24	22	33	52	30	47	40	....	....	26.7
Williamson [3]	Maximum	28	37	40	40	38	34	38	36	32	45	56	52	73	43	60	65	68	75	75	49	48	41	58	66	57	58	70	78	57	....	....	52.3
	Minimum	19	20	10	10	34	32	27	28	21	16	15	29	38	38	27	27	31	35	35	36	28	28	29	32	32	48	43	45	44	....	....	29.6

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

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PARKERSBURG, W. VA.

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GENERAL SUMMARY

The mean temperature was 46.7° which was 4.2° above normal. This was quite a contrast to last year's record when the mean temperature for March was 34.1°, with winter conditions continuing almost through March. However, the first 13 days of this March were abnormally cold. Thereafter, the temperature rose, the remainder of the month averaging much above normal. Yet, freezing temperatures occurred quite generally on the nights of the 27th, 28th and 29th. Zero temperature was reached at only one station, Terra Alta; this occurred on the 5th.

Precipitation was somewhat above normal averaging 4.30 inches which was 0.39 inch departure. The rains were frequent throughout the month but the heavier amounts were concentrated in the period 16th to 27th, inclusive. Snowfall was very light for March, the State average being 0.8 inch. On the 19th a wind storm, with strong to locally gale-force winds, did damage in excess of $50,000. Six cattle and 3 horses were killed by the collapse of a barn in Barbour County. On the 23rd, thundershowers caused flash floods in portions of Barbour, Randolph and Upshur counties. Damage to highways and bridges was estimated to be from ten to twenty thousand dollars.

The winter routine of farm work ended early in March. Maple sap was running early in the month. Grass began growing during the first week. Pastures and meadows along with winter grains were looking good by the 15th. From the 15th until the 27th, the weather was abnormally warm with ample precipitation. By the 27th, cherries, peaches and some plums were in bloom. On the 28th and 29th, freezing temperatures returned. Stations in the warmer locations had minimum temperatures between 25 and 30 degrees while on the higher elevations minimum temperatures averaged near 15 degrees. The freeze did great damage to cherries, which were past the full bloom stage, and some damage to peaches. The buds of apple and pear trees were not far enough advanced to be barmed in the commercial orchards. There was not much plowing accomplished during the month. However, a considerable number of farmers managed to get their oats planted. Early vegetables were being planted in home gardens towards the close of the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 46.7°, or 4.2° above the normal. The mean for the northeastern panhandle division was 45.8°; for the northern division, 46.3°; and for the southern division, 47.4°. The highest monthly mean was 51.5° at Huntington; and the lowest, 40.4° at Richwood. The highest temperature was 89° at Inwood on the 21st; and the lowest, 0° at Terra Alta on the 5th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 89 stations, was 4.30 inches, or 0.39 inch above the normal. In the northeastern panhandle division, the average was 3.76 inches; in the northern division, 4.40 inches; and in the southern division, 4.34 inches. The greatest monthly precipitation was 6.46 inches at Cranberry Glades, and the least, 2.53 inches at Hamlin. The greatest amount in any 24 consecutive hours was 2.28 inches at Midvale on the 23-24th. The average monthly snowfall was 0.8 inch, or 5.2 inches below the normal. The greatest monthly snowfall was 6.0 inches at Cranberry Glades and Franklin. The average number of days with 0.01 inch or more of precipitation was 13.

Errata: January 1948.—Page 2, Lewisburg: total precipitation 2.07, departure —1.28. Page 3, Lewisburg: precipitation on 17th .02, total 2.07.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	..	2	1	..	..	..	1	1	..	1	..	..	..	..	2	2	..	5	4	2	1	..	2	2	3	..	3	..	..	..	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	5	..	..	..	..	..	..	3	..	..	4	14	1	..
Gales	3	3	..	2	1	..	1	2	1	..	1	1	1	..	6	10	1	..	23	6	2	2	1	1	1	5	15	6	1	..	8
Hail	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	8	3	..	..	..	3	..	..	..	5	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	..	..	1	1	..	..	1	..	..
Sleet	..	2	..	2	1	7	6	..	..	..	14	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	4	3	..	..	..	1	..	..	..	..	..	..	..	9	10	2	..	30	17	..	4	24	7	1	9	13	..	..	..	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, Ohio	30.90*	5*	29.34*	27*	11.7	61	sw.	19	81	60	68	49	648
Elkins*	30.83	5	29.33	27	8.9	35	w.	16	87	54	64	45	624
Huntington*	30.84	5	29.44	31	.....	34	s.	19	76	51	58	....	488
Parkersburg	30.87	5	29.41	27	8.2	30	s.	19	75	49	55	51	533
Petersburg, W.Va.	30.89	5	29.32	27	.....	32	sw.	19	81	51	62	....	553
Pittsburgh, Pa *	30.91	5	29.34	27	11.5	47	w.	22	74	52	56	45	659

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR MARCH

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	34.9	.....	.....	5.52	5.24	5.46	4.91	.....	.....	.....	.....	.....
1892	36.4	87	8	4.08	3.24	3.73	3.50	.....	.....	.....	.....	.....
1893	40.7	84	3	0.97	1.31	1.98	1.49	5.2	9	8	8	15
1894	45.8	88	1	0.78	2.21	1.60	1.94	1.9	8	15	9	7
1895	39.6	90	0	2.69	3.29	2.97	3.05	7.9	11	10	9	11
1896	36.1	76	−10	2.99	4.34	5.54	4.45	.....	13	11	8	13
1897	46.1	81	12	2.07	3.60	4.27	3.60	.....	12	9	10	12
1898	48.5	86	9	4.07	6.78	4.83	5.13	T.	12	8	9	14
1899	42.5	76	0	3.65	5.66	7.14	5.82	4.5	13	7	9	15
1900	38.5	78	−5	3.33	3.64	4.21	3.79	14.7	12	7	9	15
1901	42.9	83	−11	2.95	3.40	3.16	3.23	2.3	12	8	8	15
1902	43.4	80	−5	4.58	4.14	4.37	4.30	15.0	11	10	9	12
1903	51.3	87	13	3.19	4.59	4.73	4.47	0.2	11	10	9	12
1904	43.8	86	7	2.24	4.75	3.97	4.12	1.9	11	9	8	14
1905	46.6	88	−2	3.03	4.49	3.96	4.10	0.7	10	14	7	10
1906	37.3	75	−7	4.41	5.15	4.57	4.77	13.4	14	7	6	18
1907	49.6	**94**	2	3.34	5.65	4.47	4.77	4.2	12	12	8	11
1908	47.8	89	15	3.55	6.18	6.68	6.04	1.1	13	11	8	12
1909	40.8	83	10	2.00	3.37	3.76	3.38	4.7	13	9	10	12
1910	49.5	90	5	0.49	0.40	0.79	**0.55**	1.1	4	18	9	4
1911	40.5	90	−5	2.37	3.09	3.80	3.30	5.2	12	11	8	12
1912	39.9	80	6	4.60	5.92	5.76	5.02	5.1	15	8	7	16
1913	45.7	89	−3	4.80	4.30	4.80	4.53	2.7	12	11	9	11
1914	37.3	83	−13	2.08	2.92	3.47	3.03	17.7	12	10	8	13
1915	34.4	63	7	0.96	1.75	1.64	1.61	6.7	8	12	7	12
1916	38.5	88	−4	4.86	5.16	4.53	4.88	9.0	13	11	7	13
1917	41.9	85	−3	4.89	5.79	7.90	**6.58**	11.6	14	14	4	13
1918	46.5	85	9	2.97	3.83	5.11	4.26	0.1	9	16	5	10
1919	44.5	81	12	2.63	2.78	3.12	2.92	0.8	9	16	6	9
1920	42.8	83	−5	2.50	3.24	3.80	3.38	3.1	9	17	5	9
1921	**52.7**	90	10	1.60	3.57	2.59	2.84	T.	10	14	8	9
1922	45.0	85	0	3.63	5.72	5.48	5.33	3.3	15	10	5	16
1923	41.7	82	−4	1.82	3.35	3.69	3.23	3.2	10	15	5	11
1924	38.9	83	4	4.99	4.45	3.38	4.16	9.9	11	10	7	14
1925	43.6	82	−12	2.18	3.52	3.17	3.25	2.2	11	12	6	13
1926	35.9	75	−9	1.87	3.13	2.79	2.87	10.0	13	10	7	14
1927	45.4	89	5	1.25	3.01	2.54	2.66	1.0	9	11	6	14
1928	41.4	86	−3	3.48	4.15	3.56	3.87	16.3	12	10	9	12
1929	46.7	92	−2	3.01	3.01	4.25	3.47	4.8	12	12	6	13
1930	40.3	79	0	2.06	3.61	2.98	3.21	6.9	11	14	6	11
1931	37.4	68	10	3.18	3.24	4.04	3.52	9.0	16	4	6	21
1932	36.6	80	−3	4.65	5.47	5.33	5.32	8.0	13	8	8	15
1933	40.5	80	−4	4.08	6.81	5.35	5.92	5.1	15	8	6	17
1934	38.9	80	−18	2.75	4.16	4.96	4.26	11.4	14	10	6	15
1935	48.7	86	10	2.82	4.91	6.92	5.51	1.8	14	9	8	14
1936	45.3	86	10	7.60	6.41	5.29	6.21	15.9	14	10	8	13
1937	38.5	80	−3	1.70	2.42	1.72	2.05	11.0	10	13	6	12
1938	48.3	92	3	2.83	4.12	4.23	4.02	0.7	15	8	8	15
1939	44.9	87	3	2.29	4.93	4.64	4.21	0.5	10	12	9	10
1940	38.8	79	−3	2.66	4.20	3.35	3.70	3.4	13	6	10	15
1941	34.8	72	−7	1.65	1.78	2.33	1.95	12.2	10	9	10	12
1942	44.1	89	0	3.49	3.51	3.87	3.64	15.5	12	9	10	12
1943	40.0	85	−17	3.13	4.57	5.28	4.59	6.5	12	12	8	11
1944	40.2	87	−14	4.73	5.60	4.94	5.21	4.4	15	10	7	14
1945	52.1	91	12	2.71	5.36	4.25	4.58	1.2	12	12	9	10
1946	50.7	88	11	2.70	3.98	3.45	3.62	0.2	12	12	8	11
1947	**34.1**	76	−7	1.46	2.40	2.52	2.27	17.9	13	7	9	15
1948	46.7	89	0	3.76	4.40	4.34	4.30	0.8	13	10	8	13
Period	42.5	94	−18	3.05	4.06	4.09	3.91	6.0	12	11	7	13

Climatological Data for March 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2,375	46	42.0	+5.7	79	21	2	5	5.06	+0.55	1.16	24	0.5	16	10	13	8	w.	Howard R. Fulk
Harpers Ferry	Jefferson	400	69	.....	.....	.....	.....	.....	.....	3.23	+0.18	0.74	7	.....	12	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	15	47.1	+4.9	89	21	10	5	3.02	+0.01	0.70	2	.....	9	9	12	10	e.	H. W. Prettyman
Kearneysville	Berkeley	648	18	46.2	+4.2	88	21	11	13	2.87	−0.65	0.68	2	.....	9	13	8	10	s.	University Exper. Station
Knobly Mountain	Jefferson	1,400	9	.....	.....	.....	.....	.....	.....	3.46	.....	1.25	23	3.0	12	.....	.....	.....	.....	David A. Arnold
Martinsburg	Mineral	545	56	44.6	+3.0	86	21	14	5†	3.36	+0.09	0.74	31	1.6	11	7	18	16	s.	Civil Aero. Administration
McNeill, 2 miles NE	Berkeley	800	14	44.4	+3.4	85	21	11	13	3.18	+0.59	0.77	2	2.0	9	10	8	13	w.	R. E. Saville
Petersburg	Hardy	1,029	9	47.4	.....	87	21	17	5†	6.17	.....	1.57	23	2.9	16	6	8	17	s.	U. S. Weather Bureau
Piedmont	Grant	1,053	34	45 6	+4.4	83	21	14	5	4.17	+1.19	1.22	23	2.0	13	12	7	12	w.	C. A. Suter, Jr.
Romney	Mineral	824	47	47.0	+4.6	86	21	9	6	2.99	+0.13	0.69	2	1.5	17	9	10	*12*	.....	Marion W.Haines
Spruce Knob	Hampshire	4,550	16	.....	.....	.....	.....	.....	.....	6.09	+2.21	2.16	24	4.0	14	.....	.....	.....	.....	Moses R. Bennet
Stony River Dam	Pendleton	3,300	16	.....	.....	.....	.....	.....	.....	4.61	+1.26	1.72	23	1.0	11	2	6	23	w.	Fred Becker
Wardensville, 2½ mi. NE.	Grant	1,200	30	44.8[a]	+2.9	84[a]	21	12[a]	6†	2.75	+0.65	0.62	2	.....	11	...	...	...	sw.	Reymann Memorial Farm
Means and Extremes	Hardy	.....	....	**45.8**	.....	**39**	**21**	**2**	**5**	**3.76**	.....	**2.15**	**24**	**2.4**	**11**	**9**	**9**	**13**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	24	.....	.....	.....	.....	.....	.....	4.85	+1.06	1.52	24	T.	16	5	13	13	w.	L. Esle Bond
Benson	Harrison	1,080	23	48.4	+8.1	82	21	11	13	3.71	+0.25	0.85	2	T.	13	10	16	5	.....	R. D. Marts
Bens Run	Pleasants	652	47	48.4	+4.9	82	19	12	12	3.11	−0.93	0.62	16	T.	12	18	10	3	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	42.4	.....	79	20	6	5	3.31	−0.87	0.83	20	T.	12	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	24	49.4	+7.5	86	22	10	13	4.60	+1.13	0.86	24	.....	14	9	14	8	sw.	M. D. Hawkins
Buckhannon	Upshur	1,459	67	46.8	+4.9	79	21	11	13	5.91	+1.40	1.58	24	T.	16	5	14	12	w.	Prof. Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	42	48.6	+4.2	83	22	10	13	3.52	−0.30	0.76	2	.....	14	11	9	11	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	4	42.2	.....	76	21	1	5	4.85	.....	1.20	24	1.5	14	8	17	6	w.	George B. Thompson
Clarksburg	Harrison	1,015	25	45.2	+6.5	80	21	13	13	3.68	+0.66	0.74	20	T.	13	10	7	14	se.	Clarksburg Water Board
Creston	Wirt	640	47	45.8	+1.8	84	22	10	7	3.66	−0.44	1.04	16	T.	14	7	5	19	.....	Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	26	46.2	.....	82	22	12	5†	3.46	−0.32	0.82	19	T.	17	14	6	11	sw.	Lockmaster
Dam 13 O. R	Marshall	655	32	.....	.....	.....	.....	.....	.....	4.39	+0.96	1.18	16	T.	14	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	26	.....	.....	.....	.....	.....	.....	3.85	+0.71	1.25	24	T.	16	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	31	.....	.....	.....	.....	.....	.....	3.63	+0.09	0.80	16	.....	14	.....	.....	.....	.....	Lockmaster
Dam 20 O. R	Wood	600	31	.....	.....	.....	.....	.....	.....	4.47	+0.76	0.94	16	.....	11	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2,006	49	44.9	+5.8	78	21	11	6	5.47	+1.67	2.22	24	0.1	16	4	9	18	s.	U. S. Weather Bureau
Fairmont	Marion	1,023	66	47.0	+6.6	83	21	13	12	4.17	+0.20	1.00	23	T.	13	5	8	18	sw.	Monongahela Power Co.
Glenville	Gilmer	738	60	49.3	+4.6	84	21	14	13	4.41	+0.12	0.78	24	T.	13	7	8	16	sw.	Fred W. Wells
Grafton	Taylor	1,100	54	46.1	+4.6	82	21	9	13	5.23	+1.47	2.04	24	.....	14	7	12	12	sw.	William D. Myers
Grantsville	Calhoun	730	3	48.8	.....	85	21	17	5	4.94	.....	0.99	16	T.	12	10	8	13	.....	Hope Natural Gas Co.
Harrison County Airport	Harrison	1,188	8	45.8	.....	81	21	11	12	5.29	.....	1.61	23	T.	15	5	8	18	sw.	U. S. Airway Station
Hastings	Wetzel	809	18	.....	.....	.....	.....	.....	.....	3.85	−0.62	0.56	16	T.	17	11	10	10	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	24	.....	.....	.....	.....	.....	.....	4.14	+0.88	0.94	24	T.	15	...	...	...	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,000	7	42.0	.....	76	21	3	5	6.01	.....	1.33	24	2.0	19	12	7	12	.....	O. C. Hamilton
Mannington, 1½ mi. NW	Marion	974	46	46.8	+4.5	82	21	6	13	4.33	+0.30	1.16	24	0.2	17	9	9	13	w.	James A. Morgan
Middlebourne, 2¾ mi. SE	Tyler	750	7	47.6	.....	86	21	12	12†	2.67	.....	0.54	16	.....	12	11	7	13	w.	L. A. Crumrine
Morgantown	Monongalia	1,260	72	49.3	+7.2	82	21	11	5	2.84	−0.65	0.58	19	0.5	9	12	11	*8*	sw.	Prof. L. M. Peairs
New Cumberland	Hancock	671	53	44.6	+6.2	81	21	8	12	3.11	−0.13	0.51	15†	0.5	15	*14*	5	12	nw.	C. O. Valentine
New Martinsville	Wetzel	637	54	47.8	+4.6	82	21	11	12	4.20	+0.41	0.80	24	T.	14	11	8	12	sw.	Dr. Z. W. Ankrom
Parkersburg	Wood	615	63	48.3	+5.5	82	21	13	12	4.02	+0.53	0.79	16	T.	12	6	8	17	se.	Section Center
Parsons	Tucker	1,649	49	46.2	+5.7	80	21	11	5	5.53	+1.32	2.21	24	1.2	17	14	8	9	nw.	D. A. Oliver
Philippi	Barbour	1,300	54	.....	.....	.....	.....	.....	.....	4.48	+0.34	1.79	24	T.	16	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	24	.....	.....	.....	.....	.....	.....	4.68	+1.06	1.19	24	.....	14	10	6	*15*	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	63	44.0	.....	82	21	12	6	4.32	−0.53	1.46	23	T.	10	10	1	20	ne.	W. H. Bolyard
Thomas	Tucker	2,950	19	.....	.....	.....	.....	.....	.....	6.91	+0.80	1.50	24	0.5	19	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	24	50.4	+7.9	85	21†	11	13	5.17	+1.48	1.50	24	T.	14	8	14	9	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE	Brooke	668	55	44.6	+4.8	82	21	3	12	3.76	+0.57	0.93	16	T.	10	12	9	10	.....	George P. Pfister
West Milford‡	Harrison	979	22	.....	.....	.....	.....	.....	.....	4.13	+0.59	0.65	2	.....	12	.....	.....	.....	.....	Scotland G. Highland
Wheeling (Dam 12)	Ohio	659	64	43.6	+3.1	78	21	9	12	3.89	+0.61	1.03	16	1.0	14	10	7	14	sw.	Lockmaster
Means and Extremes		.....	....	**46.3**	.....	**35**	**21†**	**0**	**5**	**4.40**	.....	**2.28**	**24**	**0.3**	**14**	**10**	**9**	**12**	sw.	
Southern Division																				
Arbovale	Pocahontas	2,727	25	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	H. S. Sutton
Athens	Mercer	2,600	8	46.4[c]	.....	76[c]	21	13[c]	13	4.73	.....	1.18	16	T.	12	16	6	9	.....	Concord College
Bluefield	Mercer	2,558	53	48.8	+4.4	74	21	17	13	4.97	+1.85	1.44	16	1.0	16	14	1	16	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1,407	6	47.4	.....	79	23	15	13	4.66	.....	1.00	7	T.	10	13	10	8	.....	Willard F. Russell
Charleston	Kanawha	615	61	49.4	+2.0	84	21	16	13	3.11	−1.39	0.62	22	0 2	12	12	9	10	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	§950	0	49.4	.....	82	21	16	13	3.51	.....	0.68	27	T.	16	6	4	21	nw.	Civil Aero. Administration
Coalwood	McDowell	1,460	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. McNees
Cranberry Glades	Pocahontas	3,400	4	41.0	.....	73	22	3	13	6.46	.....	2.02	24	6.0	16	11	7	13	w.	Department of Justice
Flat Top	Mercer	3,270	10	42.2	+3.2	73	21	14	5†	5.99	+2.09	1.36	23	2.0	13	6	6	19	sw.	U. S. Airway Station
Gary	McDowell	1,426	31	47.8	+5.3	80	21	15	13†	4.77	−0.61	0.93	16	T.	10	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	6	48.6	.....	84	21	11	13	2.53	.....	0.49	22†	T.	9	12	6	*15*	.....	W. Va. Water Service Co.
Hinton	Summers	1,431	59	48.3	+4.2	85	21	17	13	4.82	+0.92	1.06	6	2.0	10	.....	.....	.....	.....	Mrs. M. L.McClung
Huntington	Cabell	571	52	51.5	+6.5	83	21	17	12	3.45	−0.77	1.10	16	T.	12	6	12	13	ne.	H. N. Robinson
Kayford	Kanawha	1,335	31	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,100	52	46.8	+3.7	78	21	12	13	3.68	+0.04	0.95	24	0.7	15	.....	.....	.....	.....	Prof. H. B. Graybill
Logan	Logan	700	35	50.8	+3.7	85	21	18	13	3.50	−1.22	0.92	27	0.2	12	15	6	10	.....	J. W. Ruff
London Locks	Kanawha	623	13	47.8	.....	84	21	16	13†	3.63	−0.63	0.69	16	.....	15	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	27	49.2	+6.5	86	21	15	13	3.23	−0.95	0.70	16	T.	11	14	12	5	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	6	44.8	.....	79	21	13	13	3.36	....	.....	.....	1.5	12	9	3	19	.....	M. H. Martin
Pineville	Wyoming	1,350	6	46.9	.....	82	21	12	13	6.70	.....	1.15	27	T.	10	8	1	22	.....	Walter C. Byrd
Point Pleasant	Mason	595	58	50.2	+5.0	80	19†	15	12	4.49	+0.40	1.18	15	T.	12	10	5	16	sw.	E. C. Winger
Rainelle	Greenbrier	2,424	17	43.8[a]	+4.6	78[a]	21	7[a]	13	6.48	+0.93	.....	.....	5.0	19	9	4	18	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	33	49.4	+6.1	84	25	12	13	3.41	−0.48	0.90	16	.....	11	14	4	13	sw.	Lockmaster
Richwood	Nicholas	2,193	17	40.4	−0.4	79	21	5	13†	3.96	−1.54	0.84	7	T.	12	9	4	18	.....	Richwood Water Co.
Ripley	Jackson	610	6	48.0	.....	81	21	12	13	4.41	.....	1.14	15	T.	15	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	49	48.9	+6.0	80	31	13	12	3.53	−0.54	0.76	2	.....	7	.....	.....	.....	.....	A. M. McKown
Summersville	Nicholas	1,900	12	48.6	.....	80	20	5	12	4.60	−0.08	1.76	23	0	9	7	19	5	.....	A. E. Dorsey
Sutton	Braxton	850	45	49.6	+5.4	82	21†	11	13	4.96	+0.62	1.62	24	T.	14	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2,200	44	48.5	+0.1	77	21	11	13	4.70	+1.16	1.46	23	T.	12	16	1	16	nw.	Thelma F. Spangler
Webster Springs	Webster	1,500	16	49.2	.....	81	21	12	13	3.72	.....	0.94	24	T.	10	11	6	14	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	34	46.0	+3.4	79	21	11	13	6.86	+2.29	1.60	24	5.0	16	8	9	14	w.	Greenbrier Hotel
Williamson	Mingo	673	47	50.6	+3.9	85	21	20	13†	3.86	−0.69	0.88	27	T.	11	16	8	7	se.	Norlolk & Western Ry.
Winfield Locks	Putnam	571	10	47.6	.....	82	21	16	18†	2.86	.....	0.78	16	T.	13	4	*8*	19	w.	Lockmaster
Means and Extremes		.....	....	**47.4**	.....	**85**	**21**	**3**	**13**	**4.34**	.....	**2.03**	**24**	**0.7**	**12**	**11**	**7**	**13**	w.	
State Averages and Extremes		.....	....	**46.7**	**+4.2**	**39**	**21**	**0**	**5**	**4.30**	**+0.39**	**2.28**	**24**	**0.8**	**13**	**10**	**8**	**13**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitatio with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but n for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles *Italics* interpolated. § New location; moved from Institute to Kanawha County Airport November 29, 1947. [c] Greatest 24-hour amount occurred on Jan. 31-Feb 1.

Daily Precipitation for March 1948

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.74	.32	.11	T.		.62	T.			.18	T.			T.	.41	.06		.09	.36		.10	.22	1.15		.20	.88	.05			.07	5.06
Brushy Run[2]	.. do.		.56	.11	.12			.55					T.			T.	T.			.17	.16			.37	1.37			.10					3.51
Harpers Ferry[2]	....do.		.16	.65	.50			.74	.04				.15					.10			.31			.11	.30			.10	.07				3.23
Inwood	....do.		.70	.05	.40			.60				.13								.23				.43				.31				.17	3.02
Kearneysville	....do.		.68		.39			.67				.11					T.			.20				.33	.01		T.	.28				.20	2.87
Knobly Mountain[2]†	...do.		.57	.30	.16			.30	.25				.10				.14	T.		.20	.12		.03	.42	.83								3.45
Martinsburg[4]	....do.	T.	.69	.38	.07		.15	.38	T.	T.		.08				T.	T.			.30				.31	T.		.07	.18	T.			.74	3.35
McNeill†	....do.		.77		.28			.57				T.					T.			.15	.20			.26	.55			.20				.20	3.18
Petersburg	....do.		.82	.30	.04		.30	.44	T.			.06				.05	.03	.01		.31			T.	1.57	.70		.03	.27	T.			.24	5.17
Piedmont	... do.		.52	.22	.10			.70				.08					.14			.12	.33		.01	.37	.85		T.	.29	T.			.44	4.17
Romney	....do.		.69	.18	.16	.02		.60	.03			.03					.08	.01		.21	.02			.29	.35	.01		.12	.01		.18		2.99
Spruce Knob[2]†	....do.		.27	.38	.24			.22					.32				.24	.37		.23	1.02		T.	.74	1.24	.17		.36	.29	T.			6.09
Stoney River Dam[2]†	....do.			.87	.15				.05				.50				.30			.10	.47		.10	.37	1.35			.35					4.61
Wardeusville[2]	....do.		.52	.16	.43	.01		.45					.10							.18	.24			.39	.24			.03					2.75
Northern Division																																	
Aberdeen†	West Fork		.72	.10	.05			.51				.10	T.			T.	.36			.05	.30		.37	.17	1.52		.10	.26	.02			.22	4.85
Belington[2]	Tygart		.36	.56	.05	.03		.46					.13				.25	.22		.10	.54		.12	.32	1.86	.05	.02	.38	.08				5.53
Benson†	West Fork		.85		.02			.50				.10					.50				.48		.10	.22		.12	.12	.38	.02			.30	3.71
Bens Run	Ohio		.41	.14			T.	.34				.17					.62			.26	.05		.16	.30			.19	.39				.08	3.11
Big Skin Creek	West Fork		.08	.22	.12		.07		.60			.05					.43	T.		.24	.32	.28	.50		.92		.12					.22	4.17
Brandonville[2]	Cheat	.01	.45		T.		.36			T.	T.						.27	.05		.07	.83		.10	.36	.57			.14	.10				3.31
Brownsville†	West Fork		.72	.21	.04			.50				.06					.41			.10	.61		.23	.18	.86		.08	.23				.37	4.60
Buckhannon	Tygart		.72	.15	.05		T.	.53	T.			.10	.01				.35	T.	T.	.21	.82		.32	.35	1.58		.16	.36	.03	T.		.17	5.91
Cairo	Litl. Kanawha		.66	.10			.04	.27				.06					.60			.12	.60		.30	.11	.07		.11	.32				.16	3.52
Canaan Valley	Cheat		.60	.24				.55				.23					.35	.05		.18	.30		.15	.28	1.20		.12	.47				.13	4.85
Clarksburg[2]	West Fork		.30	.42	T.			.39					.07	T.			.32			.08	.66		.07	.38	.55		.05	.34	.05				3.68
Crawford	....do.		.71	.02	.02			.58				.11	T.				.35			.26	.50		.35	.10	1.46		.03	.31				.23	5.03
Creston[2]	Litl. Kanawha		.72	.11		T.		.35	.03				.12	T.			1.01	.03		.12	.18		.14	.10	.20			.48	.07	T.			3.66
Dailey[2]†	Tygart		.54	.26	.11	.01		.48	.01	T.			.03	T.			.10	.04		.21	.42		.12	.23	1.64	T.	.04	.22	.42	.02			4.90
Dam 10, Mon. R. [2]†	Monongahela.	T	.04	.43	.01			.34	.02				.12				.35	.03		.06	.76		.08	.37	.39	.01	.01	.28	.15				3.45
Dam 13, O. R. [2]†	Ohio		.05	.32		T.		.21	.01				.11				1.18	.54		.06	.80		.12	.01	.72			.74	.02				4.39
Dam 15, Mon. R. [2]†	Monongahela.		.05	.46	T.			.37	.01				.16				.29	.03		.06	.56		.11	.38	.87	.01	.01	.30	.18	T.			3.85
Dam 19, O. R. [2]†	Ohio		.52	.17				.52	.01			.05	T.				.80	.01		.20	.21	.01	.12	.11	.11			.79		T.			3.63
Dam 20, O. R. [2]†	....do.		.60	.20				.46				T.	.03				.94	T.		.21	.89		.18	.13	.16			.72	T.			T.	4.47
Elk†	West Fork		.63	.30				.50									.57								1.44		.43		.27				4.14
Elkins[1]‡	Tygart		.79	.08	.04		.34	.20	T.			.09	T.			.04	.17	T.		.66	T.		.18	2.19	.20		.07	.32	.03			.07	5.47
Fairmont[2]	Monongahela.		.57	.02	T.		.20	.13				.13				T.	.26			.64			.14	1.00	.12		.12	.54	T.			.30	4.17
Glenville[2]	Litl. Kanawha		.68	.26	.02	T.		.47	T.				.03				.60	.02	T.	.22	.39	T.	.23	.30	.78			.41	T.	T.			4.41
Grafton	Tygart		.54	.23	.04			.41				.04					.31			.25	.25		.10	.25	2.04		.15	.27				.35	5.23
Grantsville	Litl. Kanawha		.80	.13				.43				.09	T.				.99			.16	.42		.24	.39				.49	.40			.40	4.94
Hackers Creek†	West Fork		.68					.86									.49			.19	.29		.18	.37	.57		.20	.68				.12	4.63
Hall[2]	Tygart		.57	.37	.06	T.		.53	T.	T.			.03	.10			.31	.02			.10	.38	.23	.14	1.89	.03		.46	T.	T.			5.22
Harrison Co. Arpt[4]	West Fork		.85	.06	T.		.21	.11				.12	T.			.11	.25			.82			.16	1.61	.21		.23	.26	.01			.28	5.29
Hastings	Ohio		.30	.10				.35	.02			.12					.56	.02		.18	.32	.01	.29	.12	.48			.55	.04	.01	.38		3.85
Ireland	West Fork		.66	T.				.64								.40				.74			.22	.25	1.49			.36				.13	4.89
Jane Lew	....do.		.63	.18	.03			.51				.07	T.				.43			.03	.15		.14	.23	.94		.07	.38	.03			.32	4.14
Kingwood	Cheat		.73	.24				.10	T.			.10	T.				.10	.08		.10	.50	T.	.40	1.40			.08	.45	.04	T.		.20	4.52
Kumbrabow St.For.†	[3]Tygart		.71	.01		.16		.69				.08		.01			.45	.05		.22	.63	.01	.21	.16	1.33		.20	.69	.10	.08		.22	6.01
Mannington	Monongahela.		.32	.09	.01			.34				.17	.01				.48	.01		.11	.28		.19	.17	1.16		.23	.39	.01			.36	4.33
Middlebourne[2]	Middle Is. Crk.		.30	.09				.30					.15				.54			.16	.19		.10	•	.38			.43	.03				2.67
Midvale[2]†	Tygart		.30	.20	.10	.07		.45	.04	T.			.15	T.			.21	T.		.15	.55		.32	.18	2.02	.08		.32	.05	T.			5.19
Morgantown	Monongahela.		.34	.12	T.			.35	T.			.22	T.							.58			.15	.30	.25				T.			.53	2.84
Mt. Clare	West Fork		.55		.13	.26		.45	.02								.45			.49	.06	.01	.15	.27	.71		.08	.28	.02			.25	4.18
New Cumberland	Ohio		.28	.05	T.			.14				.06	.01			.51	.44			.42	.03		.04		.51		.07	.49	.01			.05	3.11
New Martinsville	....do.		.26	.14			T.	.31				.23					.60	.04		.35	.38		.11	.17	.80		.15	.50				.16	4.20
Parkersburg[1]‡	....do.		.68		T.		.38	.11				.34	T.			.05	.74	T.		.31		T.	.20	.09	T.		.21	.49	T.			.42	4.02
Parsons	Cheat.		.71	.21	.09			.52	.02			.09	.01				.28	T.		.15	.14		.23	.17	2.21		.15	.46	.03			.06	5.53
Philippi[2]	Tygart		.40	.41	.05	T.		.42	T.	T.			.11	T.			.35	.04	T.	.09	.10		.22	.16	1.76	.03	.02	.31	.01	T.			4.48
Roanoke	West Fork		.44	.15	.05			.56				.05					.37				.55		.29	.23	1.19		.05	.38	.03			.34	4.68
Rockford†	....do.		.59	.20	.03			.50				.06				T.	.52			.10	.25		.20	.23	.95	.10	.32		.02			.25	4.32
Rowlesburg[2]	Cheat	T.	.04	.90	T.	T.		.28	.24				T.	T.			.33	T.		T.	.62		T.	.26	1.20			.30	.15	T.			4.32
Salem	West Fork		.51		T.			.50				.13					.48			.42	.34		.20	.19			.52	.50	T.			.37	4.16
Sand Fork	Litl. Kanawha		.68	.09	.03		.03	.55				.14					.32			.17	.67		.25	.11	1.24		.10	.24	.01			.22	4.85
Shinnston	West Fork		.54	.10	T.		T.	.38				.16					.34	.05		.10	.72		.11	.32	1.34		.16	.63	T.			.26	5.21
Thomas[2]	Cheat.		.41	.70	.13	.05		.18	.63	.05			.19				.33	.30		.08	.10		.10	.35	1.50	.30		.36	.12	.03			5.91
Upper Davisson Run	West Fork		.62	.20	T.			.45				.14	T.			T.	.40			.09	.69		.14	.11	.46		.11	.53	.01			.33	4.28
Valley Chapel	....do.		.71	.25	.02			.53				.07	T.				.60			.13	.35		.18	.22	1.50		.05	.35				.21	5.17
Valley Head[2]	Tygart		.24	.31	.09	T.		1.03	T.	T.			T.	T.			.20	.14		.02	.81		.03	.33	.69	T.		.42	.25	T.			4.56
Vandalia†	West Fork											.14					.41			.23	.64		.27	.16	1.19		.13	.43	.03			.24	§§
Wellsburg (near)	Ohio		.13	.09				.16									.93	.48		.41	.22		T.	T.	.45		.09	.80				T.	3.76
West Milford	West Fork		.65	.20				.50				.05					.50				.53		.12	.37	.43	.12		.31				.35	4.13
Weston[2]	....do.		.18	.69	.06			.48	.18				.12	.05			.34	.14		.06	.58		.08	.48	1.08	.05		.33	.10	T.			5.00
Wheeling (Dam 12)[2]	Ohio		.02	.21		T.		.16	.01			T.	.09				1.03	.43		.06	.84		.09	.01	.22			.65	.07				3.89
Southern Division																																	
Arbovale	Greenbrier																																
Athens	New		.03	T.			.55			.10			T.																				
Bluefield	....do.		.04	.02			.78			.08							1.18	.01			.59		.03	.73	.77			•	.53			.21	4.73
Bluestone Dam	....do.		.12		T.	T.		1.00		T.			T.				1.44	.03			.16		.29	.76	.52		.04	.46	.08	.03		.24	4.97
Camden-on-Gauley[2]	Gauley		.61	.02	.05	.03		.62									.41	.23			.22	.36		.59	.72			.86	.15	T.			4.66
Charleston	Gr. Kanawha.		.43		T.			.29				.06	.10				.34	.03		.12	.31		.11	.28	.66	.02		.46	.04	T.			3.70
Charleston Airport	....do.		.46	.02	.01		.29	.04				.13	T.			.01	.61			.07	.13		.46	.16	.17			.61	T.	T.		.02	3.11
Coalwood	Big Sandy																.62	T.		.15	T.		.50	.38	.07		.23	.45	T.			.15	3.51
Cranberry Glades	Cranberry		.30	.15	T.			1.20	.03			.04	T.				.15	.16		.05	.26	.07	.03	.69	2.02			1.10	T.	.06		.15	6.46
Flat Top[4]	New		.10	T.	T.		.87	.12				.02	T.				1.23			.23	.28		.29	1.36	.18		.62	.49	T.			.20	5.99
Gary[2]	Big Sandy		T.		.02			.52		.06	T.					T.	.93	.67			.44	.18		.76	.40			.79	T.			T.	4.77
Hamlin	Mud		.42					.40					T.				.08			.09	.21		.49	.11	.24			.49	T.				2.53
Hinton[2]	New		.15		T.			1.05						T.			.42	.20			.04	.43		.62	.85			.89	.17				4.82
Hogsett	Ohio		.73	.18				.31				.01	.14				1.37	.02		.12	.07		.21	.06	.17			.61	T.			.02	4.02
Huntington	....do.		.52	.08								.22				.03	1.07			.21			.45	.15	.03		.36	.26	T.			.07	3.45
Kayford[2]	Gr. Kanawha.																																
Lewisburg	Greenbrier		.20	.02	.10		.01	.11		.01		.01					.53				.31			.62	.95		.15	.54	.01			.11	3.68
Logan[2]	Guyandot		.12	T.	T.	.03		.50	T.				.12	T.			.84	T.		.05	.10	.11	.38	.30			.92	.03	T.		T.	3.50
London Locks[2]†	Gr. Kanawha.		.31	T.	T.			.37	.05				.06	T.			.54	.15	T.	.03	.45	.04	.06	.30	.64			.45	.06	.02			3.53
Madison[2]	Coal		.25					.38						.10			.70			.01		.19	.28	.56			.65	.06			.05	3.23
Oak Hill	New		.10		.10	.01		.62					T.	.05			.70		.10		.08	•	1.03				.56					3.35
Pineville[2]	Guyandot		.05		.05			.85					T.				.90	.43			.45	.25		.45	1.12			1.15	T.				5.70
Point Pleasant[2]	Ohio		.77	.16				.55			T.	.11	T.			T.	1.18			.14	.37		.24	.12	.25			.58				.02	4.49
Princeton[2]	New		.01		.01			.17		.10							.52	.70			.30	.27		.48	.68			.33	.01			.14	3.72
Rainelle	Greenbrier		.25	.04	.10		.36	1.00				.10	.01				.78	.04			.17	.01	•	1.50	.97	.02	.08	.51	.07			.47	6.48
Ravenswood[2]	Ohio		.45	.15				.43	T.			T.	.09				.90			.20	.40		.21	.11	.07			.40	T.			T.	3.41

Continued on next page.

Daily Precipitation for March 1948—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley		.23		.10			.84	T.				.12				.45	.12			.23			.57	.79			.24	.12	.15			3.96
Ripley	Ohio		.75	.36				.42				.22	.03			1.14				.19	.19		.24	.08	.04		.20	.43	.01			.11	4.41
Spencer [2]	Litl.Kanawha		.76	.70					.40		T.				.70						.20			.25	T.				.52				3.53
Summersville [2]	Gauley						.57									.56			.18	.35	T.	.22	.35	1.75			.35	T.				.27	4.60
Sutton	Elk		.62	.05				.50				.15	T.				.35	.05		.23	.33		.27	.16	1.62			.12	.18	T.			.33	4.96
Union [2]	New		.15		.05			.73									.30	.39			.27	.16		.57	1.46				.53	.05	.04			4.70
Wayne [2]	Twelvepole		.41	.06			.41	.10				.16					.97			.15			.65	.15	.25			.43	.45	T.			.69	4.28
Webster Springs	Elk		.50		.09		T.	.67								T.	.30	T.	T.		.36		.18	T.	.94			.13	.41	T.			.14	3.72
White Sulp'r Spgs.	Greenbrier		.22	.02	.03		.03	.96		.02		.01					.50	.07		T.	.27	.07		.75	1.60			.08	.99				.24	5.86
Williamson [2]	Big Sandy		.05		.02			.45					.05	T.			.84				.19	.51	.07		.77				.88	.02	T			3.85
Winfield Locks [2†]	Gr. Kanawha		.59	.05				.33	T.				.08	T.			.76	.02		.10	.02		.27	.10	.09			.37	.08	T.		T.	2.86

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. † Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. |||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMecheu; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Mooresfield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont[5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for March 1948

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	50	60	59	54	41	39	54	49	48	59	59	40	43	60	58	59	52	60	69	67	75	70	72	62	65	65	....	....	....	65	59	*57.6
	Minimum	24	34	42	28	16	16	26	31	33	31	39	19	13	20	38	49	45	29	51	54	54	57	53	43	38	....	....	....	19	34	51	*35.2
Bayard	Maximum	40	54	54	45	32	45	42	39	51	50	52	30	33	55	70	65	55	59	68	73	79	70	59	58	63	70	68	49	56	65	57	55.0
	Minimum	23	30	40	24	2	10	31	23	20	21	27	12	12	11	20	44	37	21	38	48	46	49	50	43	28	31	48	20	16	38	35	29.0
Bluefield	Maximum	51	62	59	54	44	41	52	50	55	59	59	39	34	60	59	60	55	62	71	71	74	78	72	64	67	62	64	67	59	65	62	59.1
	Minimum	28	37	47	31	19	25	33	32	37	34	39	21	17	25	43	51	46	33	52	56	46	57	55	43	39	49	55	24	23	42	51	38.5
Brandonville	Maximum	57	43	39	38	45	45	40	53	49	41	38	37	59	69	64	52	64	72	75	79	72	63	60	66	71	65	62	58	66	60	69	57.1
	Minimum	22	24	32	27	6	7	18	26	25	30	28	9	9	12	25	38	37	22	25	47	50	55	50	43	28	32	38	20	15	23	33	27.6
Buckhannon	Maximum	56	62	58	47	42	50	47	46	52	53	44	30	40	61	70	64	58	67	75	76	79	73	75	64	72	71	69	47	61	67	63	59.3
	Minimum	23	38	43	28	13	21	35	30	27	26	26	16	11	17	31	51	42	27	49	42	56	57	54	44	35	47	46	24	18	42	41	34.2
Cairo	Maximum	55	65	63	49	47	48	52	51	54	56	54	32	44	64	69	70	68	70	82	80	82	83	75	72	78	80	68	54	64	70	71	63.5
	Minimum	25	39	43	30	15	22	36	30	28	27	25	14	10	18	26	49	43	27	47	42	51	58	55	31	33	46	53	29	20	35	40	33 *
Charleston (Airport)	Maximum	55	65	54	42	44	46	52	49	52	56	38	30	44	65	71	68	60	70	80	74	82	72	75	64	77	70	68	42	65	71	70	60.4
	Minimum	23	42	42	28	19	34	39	33	33	34	24	20	15	22	47	52	38	31	55	49	64	59	50	43	36	58	37	29	25	53	54	38.3
Clarksburg [3]	Maximum	52	63	49	35	40	50	49	44	52	56	32	30	41	61	71	67	53	68	77	77	80	70	74	62	74	73	70	60	65	69	66	59.0
	Minimum	27	27	41	32	14	14	23	32	27	31	29	14	13	15	19	31	43	28	29	42	45	59	55	47	36	40	45	28	20	23	40	31.3
Cranberry Glades	Maximum	47	45	54	47	44	40	42	45	43	53	53	48	41	47	56	59	53	50	56	71	71	73	69	65	59	61	60	65	45	56	60	54.1
	Minimum	14	28	32	25	5	18	22	24	18	26	24	16	3	11	25	46	36	18	42	36	43	54	50	39	26	37	49	17	12	26	42	27.9
Elkins	Maximum	58	61	52	43	42	45	46	44	53	52	54	25	39	62	69	65	54	64	68	74	78	72	72	55	70	68	68	35	21	19	46	57.3
	Minimum	24	38	43	21	11	23	37	25	25	25	21	15	12	15	29	52	29	22	50	42	58	56	48	37	31	50	35	21	19	46	52	32.5
Fairmont [3]	Maximum	52	62	49	38	39	51	50	46	55	55	35	31	42	61	70	68	55	67	77	77	83	71	75	63	78	74	69	42	61	71	66	59.1
	Minimum	30	40	38	22	14	22	37	29	43	33	21	13	14	19	29	51	33	29	52	43	54	57	53	45	37	48	38	25	21	49	42	34.9
Flat Top	Maximum	45	55	53	42	39	30	45	45	48	55	55	21	39	58	56	54	47	57	68	63	73	68	68	57	62	60	64	33	55	62	55	52.6
	Minimum	21	30	42	19	14	20	30	28	36	27	21	14	14	18	36	46	28	26	47	47	56	55	40	40	43	33	19	15	38	47	31	31.9
Gary [3]	Maximum	61	67	60	41	51	45	57	53	55	63	61	32	48	65	67	61	55	72	77	70	80	75	77	66	74	70	72	37	63	70	68	61.7
	Minimum	28	27	44	40	20	21	34	29	35	33	33	24	15	15	28	35	44	29	30	55	51	51	56	47	34	37	46	28	20	25	35	33.8
Glenville	Maximum	55	65	63	48	45	49	51	49	53	56	50	32	43	65	67	67	61	71	79	79	84	80	75	66	76	74	70	48	65	71	68	62.1
	Minimum	27	42	45	30	17	24	37	32	29	28	27	16	14	19	29	52	42	28	53	45	53	59	56	46	36	56	48	29	22	43	49	36.5
Grafton	Maximum	54	62	60	46	42	52	50	47	53	54	47	29	40	61	72	67	57	67	77	77	82	77	73	63	75	73	70	46	52	68	64	59.9
	Minimum	27	36	44	28	13	18	38	29	23	25	24	13	9	16	25	50	43	25	52	38	50	55	54	44	30	41	46	25	17	27	37	32.3
Huntington	Maximum	51	67	65	49	45	47	54	53	52	58	53	35	47	66	73	67	62	72	81	77	83	80	72	68	80	75	67	48	66	72	74	63.2
	Minimum	27	40	46	32	19	35	35	32	35	36	28	17	19	24	41	53	44	33	57	50	61	59	58	44	40	59	48	31	27	46	57	39.8
Lewisburg	Maximum	48	47	54	52	40	38	53	50	51	62	55	39	45	62	65	60	53	60	69	69	78	71	73	63	65	63	71	55	59	67	59	57.9
	Minimum	22	33	33	30	15	23	26	32	30	30	30	31	22	12	16	27	50	42	26	47	48	50	56	54	44	33	39	54	25	19	28	33.7
Logan [3]	Maximum	63	68	55	40	52	46	57	55	57	62	41	33	54	71	74	66	62	75	81	76	85	76	79	69	78	72	70	44	69	73	73	63.7
	Minimum	29	30	49	40	25	25	39	34	36	34	35	25	18	19	24	54	48	33	35	56	56	60	59	49	37	39	60	30	25	28	43	37.9
Madison [3]	Maximum	60	68	55	39	50	50	55	53	57	62	36	32	49	68	73	66	60	73	80	78	85	75	78	68	78	72	71	45	66	72	71	62.7
	Minimum	25	26	49	38	21	22	36	35	31	30	32	22	15	22	33	53	46	30	31	52	54	53	56	46	35	37	58	29	23	27	42	35 *
Mannington	Maximum	53	62	61	48	42	49	51	53	57	55	53	32	44	63	70	68	66	68	80	77	82	81	75	71	76	74	68	52	63	72	70	62.5
	Minimum	25	35	40	30	9	15	35	27	22	23	25	8	5	14	23	48	40	24	40	39	49	58	52	42	30	40	50	25	15	38	34	31.0
Martinsburg	Maximum	38	38	47	37	33	37	44	46	50	58	38	38	44	54	69	73	57	61	62	79	86	80	61	68	62	67	75	41	55	72	62	55.9
	Minimum	25	30	35	25	14	14	28	27	26	28	27	19	18	17	28	56	35	27	42	50	51	61	44	42	40	34	48	33	21	44	43	33.3
Middlebourne	Maximum	52	62	48	43	41	47	52	45	55	54	31	30	42	63	68	68	56	66	80	78	85	68	74	68	77	75	67	42	64	71	67	59.3
	Minimum	25	40	43	33	15	22	37	30	28	31	30	12	12	20	30	56	43	28	46	43	57	58	55	46	33	53	57	27	22	40	41	35.9
Morgantown	Maximum	56	62	59	43	41	52	52	49	56	53	50	32	45	63	72	68	63	72	80	79	82	75	71	68	79	76	71	52	62	72	68	62.0
	Minimum	26	39	40	29	11	21	37	30	31	29	31	12	15	23	35	51	41	29	53	57	53	57	54	43	34	59	51	26	23	49	46	36.6
New Martinsville	Maximum	56	59	59	41	41	47	52	47	55	55	48	37	45	63	68	69	64	67	80	81	82	72	73	69	78	73	70	49	64	72	69	61.5
	Minimum	22	37	39	29	13	21	35	28	28	30	24	11	13	18	28	50	41	30	45	43	55	55	53	43	35	50	48	28	21	40	40	34.0
Parkersburg	Maximum	52	63	48	39	42	47	53	47	52	51	33	35	45	64	70	69	57	67	80	77	82	72	72	66	77	70	68	41	61	69	72	59.4
	Minimum	28	42	35	22	15	29	38	30	33	33	20	13	16	27	43	49	40	33	53	48	66	58	57	54	43	40	58	34	27	27	45	37.3
Petersburg	Maximum	44	46	54	42	38	42	52	50	50	59	55	35	44	61	70	73	58	69	68	80	87	81	62	64	67	69	75	45	62	71	63	59.1
	Minimum	31	34	36	27	17	19	31	27	27	29	30	22	17	19	44	57	37	28	48	49	55	62	49	45	36	45	45	29	21	44	46	35.6
Point Pleasant	Maximum	50	62	64	47	44	46	53	53	51	53	53	36	46	63	69	67	63	70	80	77	80	78	71	68	77	77	67	50	65	70	73	62.6
	Minimum	27	41	44	32	16	30	31	31	33	33	27	15	17	25	38	52	41	31	53	49	63	58	55	43	41	59	50	31	27	48	49	38.4
Ravnelle	Maximum	48	52	53	48	43	61	50	49	50	58	52	33	43	64	60	59	53	62	69	68	78	...	58	63	67	64	70	48	61	60	59	*56.6
	Minimum	20	33	34	26	14	24	27	29	26	29	28	19	7	15	24	49	39	25	49	44	46	....	48	41	30	40	47	23	15	33	50	*31.1
Spencer	Maximum	52	65	50	44	44	43	47	51	50	56	43	50	66	70	66	66	60	71	71	68	75	75	65	77	77	71	67	52	65	62	80	61.4
	Minimum	24	28	39	44	30	16	21	25	31	30	24	13	20	32	54	43	43	28	53	45	60	58	42	45	47	48	53	30	22	35	50	36.4
Summersville [3]	Maximum	60	52	31	46	43	50	47	52	57	43	26	40	63	61	55	53	64	71	71	80	69	72	60	69	65	67	36	62	67	62	71	56.4
	Minimum	36	38	27	13	21	30	27	22	24	26	16	5	12	23	49	32	22	32	35	35	50	50	40	29	49	53	21	14	28	41	38	30.3
Sutton	Maximum	58	65	65	53	51	48	52	53	54	58	58	33	45	66	68	68	65	70	75	75	82	82	76	76	74	74	63	63	65	73	73	63.3
	Minimum	22	36	46	32	18	23	37	32	27	29	28	20	11	17	29	52	45	28	52	46	50	53	54	46	36	51	40	28	19	34	51	35.4
Wardensville [3]	Maximum	38	43	51	39	29	41	55	47	52	58	55	38	....	59	69	73	57	62	67	78	84	80	58	64	62	68	75	37	57	70	62	*57.2
	Minimum	28	28	32	33	12	12	18	34	23	26	29	19	14	..	16	32	40	25	35	43	48	69	54	43	31	33	51	27	17	31	47	*32.2
Wheeling [2]	Maximum	45	54	39	37	38	46	49	44	52	47	27	33	40	60	65	66	52	65	76	77	78	65	68	66	75	72	65	60	58	68	66	56.4
	Minimum	21	22	37	29	10	12	22	29	27	29	27	9	10	17	25	47	40	31	32	42	42	56	51	43	34	36	55	27	24	28	38	30.3
White Sulphur Spgs.	Maximum	48	48	56	54	41	41	54	53	51	60	61	44	46	64	63	61	54	62	67	71	79	78	75	65	66	64	71	59	63	67	63	59.9
	Minimum	20	33	31	32	14	23	25	25	27	29	28	24	11	14	24	51	43	24	46	46	51	50	55	45	30	36	52	26	17	26	45	32.4
Williamson [2]	Maximum	63	71	55	41	57	46	59	57	57	65	41	39	52	70	74	65	62	75	80	78	85	75	78	70	80	71	72	46	68	72	72	64.4
	Minimum	29	30	46	40	26	28	38	33	35	32	34	25	20	20	24	40	47	33	35	56	55	56	57	49	37	38	59	30	25	27	43	37.4

[2] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quanity.

(WBO, Philadelphia, Pa.—8-3-48—1050)

NE

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

OF THE LIBRARY OF THE
SEP 8 1948

VICTOR T. HORN
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VOL. LVI APRIL 1948 No. 4

GENERAL SUMMARY

This was the second warmest April of record. The mean temperature, 56.8°, was exceeded only by the record temperature of 57.7° in 1896. All stations reported plus departures in temperature. However, killing frosts were general on the 4th and 10th.

The average precipitation was 5.89 inches, 2.36 inches above the normal, making this the third wettest April of record. This average is to be compared with 5.93 inches which fell in 1927 and the record April rainfall of 7.05 inches in 1901.

Heavy rainfall occurred from the 11th to 14th causing rapid rises in all rivers and flood stages in most. The Ohio River at Parkersburg passed the flood stage of 36 feet in the evening of the 13th and reached a crest of 47.87 feet on the morning of the 16th. All rivers were below flood stage by the 18th. Complete totals of the damage are yet to be tabulated but will undoubtedly run into millions of dollars.

About $10,000 damage was caused by a severe windstorm in southern Fayette County on the 12th.

Fruit began blooming early in the month but soon was damaged by freezes on the 4th and 10th. Flooding of lowlands by the floods of the 12th to 18th caused practically total damage to early potato seedings. Wet soil kept the bottomlands from being worked all month. Wheat, meadows and pastures made good growth, as also did oats. Wet ground and cool weather were hindering all farm operations at the end of the month.

C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 71 stations, was 56.8°, or 4.8° above the normal. The mean for the northeastern panhandle division was 54.9°; for the northern division, 56.3°; and for the southern division, 58.1°. The highest monthly mean was 61.6° at Huntington; and the lowest, 50.0° at Terra Alta. The highest temperature was 94° at New Martinsville and Valley Chapel on the 26th; and the lowest, 12° at Canaan Valley and Cranberry Glades on the 4th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 98 stations, was 5.89 inches, or 2.36 inches above the normal. In the northeastern panhandle division, the average was 4.33 inches; in the northern division, 6.31 inches; and in the southern division, 6.10 inches. The greatest monthly precipitation was 9.92 inches at Cairo, and the least, 2.92 inches at McNeill. The greatest amount in any 24 consecutive hours was 3.53 inches at Shinnston on the 12th. The average monthly snowfall was a trace or 1.7 inches below the normal. The greatest monthly snowfall was 0.5 inch at Kumbrabow State Forest and Terra Alta. The average number of days with 0.01 inch or more of precipitation was 12.

Errata: March 1948.— Page 10, Bluefield, maximum temperature should be 78° on 21. Page 10, Bluestone Dam, maximum temperature should be 80° on 21st.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2						4	1		2			2	1							1						3		2	3	1
Frosts, killing								1		9							1	2													
Gales	2	11	7		1	2	2	4	20	3	18	6	1			7	5			2	2						5		1		1
Hail	1	1		1		2		1					2			1											10	5			
Halos, lunar															2			2	1						1						
Halos, solar																		1							1						
Thunderstorms	9	5		1	1	25	13	32	1		7	24	30	9	1	11	2			5	3		1	3	6	23	7	16			

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Columbus, Ohio	30.59*	3*	29.54*	1*	10.2	37	w.	27	81	56	63	58	306
Elkins*	30.60	4	29.61	28	8.3	40	nw.	27	79	52	60	54	314
Huntington*	30.61	3	29.63	1	.....	20	sw.	11	82	51	61	....	200
Parkersburg	30.59	3	29.63	11	7.1	30	nw.	8	77	48	52	63	232
Petersburg, W.Va.	30.62	4	29.64	1	.....	36	nw.	9	78	53	61	....	297
Pittsburgh, Pa *	30.59	4	29.58	28	11.0	37	nw.	27	75	55	59	49	339

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR APRIL

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	52.0	.....	.....	1.64	3.08	2.50	2.81	.....	.....	.....	.....	.....
1892	50.6	87	17	3.16	4.31	4.83	4.28	.....	7	.....	.....	.....
1893	53.4	92	20	4.18	5.57	4.41	5.18	0.8	14	8	8	14
1894	50.6	90	14	2.74	4.00	2.56	3.32	1.6	11	12	8	10
1895	52.9	90	17	3.56	3.27	2.77	2.93	.....	9	11	9	10
1896	**57.7**	95	12	1.56	2.20	2.06	2.06	.....	8	13	12	5
1897	51.5	90	19	2.00	3.59	2.42	2.97	.....	9	11	10	9
1898	48.0	86	2	2.59	3.78	2.63	3.14	.....	11	10	9	11
1899	53.4	93	18	1.26	2.11	2.14	1.84	0.5	7	13	9	8
1900	51.8	88	16	1.25	1.48	1.17	**1.35**	T.	8	14	7	9
1901	47.5	95	18	6.17	7.16	7.32	**7.05**	6.0	12	10	4	16
1902	49.8	96	21	3.19	3.52	2.55	3.06	10.0	7	10	10	10
1903	51.3	91	8	3.46	4.18	5.09	4.47	0.4	11	11	8	11
1904	47.7	82	12	2.56	3.24	3.22	3.15	1.3	12	9	9	12
1905	52.2	89	14	1.75	3.18	2.70	2.78	1.5	11	11	9	10
1906	54.1	92	15	2.77	4.09	2.44	3.16	0.3	8	15	8	7
1907	**45.6**	92	10	2.52	3.39	3.98	3.49	6.1	12	8	8	14
1908	54.8	92	18	2.06	4.08	5.39	4.30	0.3	11	13	8	9
1909	53.0	93	10	5.13	5.83	4.34	5.04	2.4	13	10	11	9
1910	53.2	91	16	3.65	2.73	4.08	3.39	0.6	11	10	8	12
1911	49.5	88	6	2.93	4.69	4.49	4.29	1.5	14	9	8	13
1912	55.4	88	20	1.96	3.91	4.94	4.03	0.2	10	11	10	9
1913	52.4	92	12	2.84	2.93	3.04	2.99	0.1	10	14	6	10
1914	52.1	93	16	4.25	5.27	3.99	4.63	0.1	11	10	9	11
1915	55.5	101	10	1.32	2.06	1.93	1.93	T.	7	15	8	7
1916	50.5	90	17	3.57	3.09	2.88	3.07	4.3	12	9	7	14
1917	51.7	90	10	2.59	3.17	2.95	2.99	1.8	9	13	8	9
1918	50.3	85	18	6.81	4.56	5.02	5.11	10.4	15	9	7	14
1919	51.8	90	10	1.83	2.33	2.73	2.44	0.2	9	12	8	10
1920	49.7	91	15	4.30	5.09	4.92	4.91	1.2	14	8	7	15
1921	55.7	95	10	1.36	2.72	2.62	2.50	0.4	9	13	7	10
1922	54.4	91	15	1.84	3.57	3.17	3.15	0.1	9	13	7	10
1923	50.1	88	−4	2.66	3.85	3.29	3.45	0.1	8	16	5	9
1924	50.5	88	12	2.70	3.75	2.67	3.24	3.6	12	12	6	12
1925	54.9	101	6	3.01	2.51	3.18	2.89	0.6	10	14	6	10
1926	47.1	87	8	1.92	2.55	2.46	2.44	2.5	10	10	8	12
1927	52.0	91	16	5.40	5.72	6.40	5.93	0.2	15	9	7	14
1928	48.6	88	11	5.52	5.12	4.63	5.08	11.4	12	11	7	12
1929	55.4	94	18	6.14	4.88	3.56	4.54	0.8	13	12	7	11
1930	53.2	98	13	2.25	2.07	1.69	1.95	1.0	9	14	7	9
1931	50.7	88	18	3.47	3.97	4.60	4.12	3.3	10	14	5	11
1932	50.9	88	18	1.62	2.10	2.59	2.21	0.8	10	15	5	10
1933	52.8	91	19	5.00	4.25	3.60	4.08	0.2	13	13	7	10
1934	52.8	91	18	2.13	2.63	2.67	2.58	1.2	11	12	8	10
1935	49.8	92	13	3.08	3.29	3.57	3.45	2.7	13	9	7	14
1936	49.3	90	12	2.86	3.84	3.71	3.66	1.4	12	9	9	12
1937	51.4	91	18	5.84	4.32	3.16	4.09	0.2	12	10	7	13
1938	54.8	92	18	1.72	3.27	3.14	3.06	0.9	10	14	9	7
1939	49.9	92	12	3.91	6.03	4.85	5.36	0.8	15	9	10	11
1940	49.2	86	10	5.06	5.62	4.29	5.13	1.9	14	8	9	13
1941	56.0	96	15	2.09	2.10	2.31	2.17	T.	7	15	8	7
1942	54.7	97	13	1.63	2.40	1.30	1.86	0.5	7	15	8	7
1943	47.8	85	10	2.92	4.18	3.74	3.84	3.5	13	9	10	11
1944	50.7	90	11	3.10	5.18	4.07	4.43	2.4	15	8	10	12
1945	55.5	92	12	2.90	3.79	2.99	3.37	T.	10	11	11	8
1946	53.2	92	16	1.22	1.87	2.59	1.99	0.4	9	11	9	10
1947	55.7	92	17	2.00	2.38	1.89	2.11	T.	11	11	9	10
1948	56.8	94	12	4.33	6.31	6.10	5.89	T.	12	11	8	11
Period	52.0	101	−4	3.06	3.73	3.45	3.53	1.7	11	11	8	11

Climatological Data for April 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr. Mean	Departure from the normal	Highest	Date	Lowest	Date	Precipitation, inches Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Number of days Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy	Prevailing direction of the wind	Observers
Northeastern Panhandle Division																				
Bayard	Grant	2 370	45	51.1	+7.4	84	26	19	4	4.83	+0.99	1.26	12	T.	10	14	2	14	w.	Howard R. Fulk
Harpers Ferry	Jefferson	400	59	.....	.....	.....	.....	.....	.....	4.88	+1.63	1.09	14	0	15	....	....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	15	55.6	+4.3	87	20	24	4	4.24	+1.24	1.32	14	0	10	4[b]	18[b]	6[b]	e.	H. W. Prettyman
Kearneysville	Jefferson	548	18	55.1	+3.8	85	20	27	18	4.52	+1.24	1.70	14	0	13	7	16	7	se.	University Exper. Station
Knobly Mountain	Mineral	1,400	9	.....	.....	.....	.....	.....	.....	5.12	.....	1.25	28	T.	11	...	...	.		David A. Arnold
Martinsburg	Berkeley	540	56	52.6	+1.0	85	20	25	4	3.28	+0.17	1.33	13	0	14	4	13	13	nw.	Civil Aero. Administration
McNeill, 2 miles NE	Hardy	800	14	56.4	+4.6	87	25	20	4	2.92	−0.04	0.85	28	0	6	7	10	13	w.	R. E. Saville
Petersburg	Grant	1,029	9	55.8	.....	87	26	25	4	3.69	.....	1.66	13	0	7	6	10	14	nw.	U. S. Weather Bureau
Piedmont	Mineral	1,053	34	56.3	+5.9	83	20†	27	4	5.72	+2.71	1.54	12	0	12	....	....	....	e.	C. A. Suter, Jr.
Romney	Hampshire	824	47	55.9	+4.2	86	20	18	4	4.19	+1.22	0.90	28	0	16	6[a]	11[a]	12[a]	.....	Marion W. Haines
Spruce Knob	Pendleton	4,550	16	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Moses R. Bennet
Stony River Dam	Grant	3,300	16	....	.....	.....	.....	.....	.....	4.73	+0.98	0.95	13	T.	11	5	7	18	w.	Fred Becker
Wardensville, 2½ mi. NE.	Hardy	1,200	30	52.9	+3.3	83	20†	22	4	4.42	+1.91	1.48	14	0	11	13	8	9	sw.	Reymann Memorial Farm
Means and Extremes		.....	....	**54.9**	.....	**88**	**20†**	**18**	**4**	**4.33**	.....	**1.70**	**14**	**T.**	**11**	**8**	**10**	**12**	w.	
Northern Division																				
Aberdeen, 2 miles NE‡	Upshur	1,060	24	.....	.....	.....	.....	.....	.....	6.41	+2.61	1.98	12	T.	9	6	12	12	w.	L. Esle Bond
Beuson	Harrison	1,080	23	58.0	+5.4	92	26	21	10	6.69	+3.48	2.30	12	0	15	9	14	7	.....	R. D. Marts
Bens Run	Pleasants	652	47	58.8	+6.0	92	26	27	10	7.11	+3.55	3.13	12	0	12	18	8	4	.....	Mrs. C. W. Rea
Brandonville	Preston	1,798	7	53.2	.....	84	25	19	4	6.80	+3.06	2.45	12	T.	11	.....	.....	.....	.....	James J. Galloway
Brownsville‡	Lewis	1,032	24	59.3	+7.0	89	26	22	10	5.13	+1.77	1.67	12	0	10	10	12	8	n.	M. D. Hawkins
Buckhannon	Upshur	1,459	57	56.9	+5.8	87	26	22	10	5.27	+1.38	1.51	12	0	12	7	15	8	w.	Prof. Arthur B. Gould
Cairo, 3 miles S	Ritchie	680	42	57.8	+3.8	90	26	24	10†	9.92	+6.46	3.49	13	0	15	11	12	7	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3,250	4	51.6	.....	78	26	12	4	4.93	....	1.00	13	0.2	12	6	16	8	w.	George B. Thompson
Clarksburg	Harrison	1,015	25	56.2	+5.0	89	26	24	10	7.13	+3.76	2.10	11	0	13	14	8	8	w.	Clarksburg Water Board
Creston	Wirt	656	47	56.5[a]	+3.1	89	25†	25	10	6.43	+2.77	1.70	12	0	11	9	9	12		Beatrice M. Ledsome
Dam 10 Mon. R	Monongalia	826	26	56 4	.....	90	26	27	4	7.07	+3.60	2.22	12	0	14	17	4	9	ne.	Lockmaster
Dam 13 O. R	Marshall	655	32	.....	.....	.....	.....	.....	.....	4.73	+1.41	1 22	12	0	9	.....	.....	.....	.....	Lockmaster
Dam 15 Mon. R	Marion	882	26	.....	.....	.....	.....	.....	.....	7.28	+3.99	2.50	12	0	11	.....	.....	.....	.....	Lockmaster
Dam 19 O. R	Wood	600	31	...	...	.....	....	.....	.....	7.35	+4.17	2.38	12	0	14	....	.....	.....	...	Lockmaster
Dam 20 O. R	Wood	600	31	.....	.....	.....	.....	.....	.....	7.69	+4.45	2.42	12	0	12	.....	.....	.....	.....	Lockmaster
Elkins	Randolph	2, 006	49	54.6	+7.2	84	26	22	4	5.41	+1.79	1.53	13	T.	15	4	9	17	nw.	U. S. Weather Bureau
Fairmont	Marion	1,023	56	56.8	+5.0	92	26	26	10	6.79	+3.52	3.17	12	0	11	6	7	17	sw.	Monongahela Power Co.
Glenville	Gilmer	780	60	59.6	+5.7	89	26	26	10	6.64	+2.88	1.73	13	0	11	4	12	14	w.	Fred W. Wells
Grafton	Taylor	1,100	54	56.0	+4.5	87	26	22	4†	6.71	+3.42	2.81	12	0	12	9	16	5	w.	William D. Myers
Grantsville	Calhoun	730	3	58.8	.....	92	27	28	4†	6.73	.....	1.84	12	0	11	12	10	8	.....	Hope Natural Gas Co.
Harrison County Airport	Harrison	1,184	8	55.6	.....	87	26	23	10	6.70	.....	2.88	12	0	14	3	13	14	sw.	U. S. Airway Station
Hastings	Wetzel	809	13	.	.....	.....	.....	.....	.....	7.46	+3.45	2.06	12	0	12	9	14	7	w.	L. G. McIntyre
Jane Lew‡	Lewis	1,020	24	.....	.....	.....	.....	.....	.....	6.05	+2.40	1.89	12	0	12	....	..	....	....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3, 210	7	51.9	....	78	25	18	10	6.64	.....	1.42	13	0.5	17	17	4	9	.....	O. C. Hamilton
Mannington, 1½ mi. NW.	Marion	974	46	56.6	+5.5	91	26	20	4†	8.61	+4.91	3.22	12	0	14	10	8	12	w.	James A. Morgan
Middlebourne, 2¾ mi. SE.	Tyler	750	7	56.6	.....	90	26	25	10	8.62	.....	2.29	12	0	13	13	3	14	w.	L. A. Crumrine
Morgantown	Monongalia	1,050	72	59.3	+7.6	92	26	27	4	6.76	+3.61	2.72	12	T.	10	16	3	11	nw.	Prof. L. M. Pears
New Cumberland	Hancock	671	53	55.4	+6.2	86	24	20	18	6.79	+3.51	2.59	12	0	14	12	6	12	nw.	C. O. Valentine
New Martinsville	Wetzel	637	54	57.8	+4.7	94	26	25	10	7.17	+3.67	2.79	12	T.	11	11	8	11	sw.	Dr. Z. W. Aukrom
Parkersburg	Wood	615	63	58.5	+5.1	91	26	29	10	6.75	+3.56	3.20	12	0	13	4	14	12	nw.	Section Center
Parsons	Tucker	1,649	49	55.8	+6.6	82	24†	23	4	4.98	+1.22	1.00	12†	T.	14	14	8	8	nw.	D. A. Oliver
Philippi	Barbour	1,300	54	.....	.....	.....	.....	.....	.....	4.81	−1.09	1.60	13	0	11	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	24	....	.....	.....	.....	.....	.....	4.31	+0.73	1.61	12	0	7	17	5	8	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	63	53.8	.....	84	25	25	4	6.52	+2.33	1.69	12	0	11	9	1	20	ne.	W. H. Bolyard
Thomas	Tucker	3, 000	19	.....	.....	.....	.....	.....	.....	5.72	+1.54	1.28	13	0	14	....	....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	24	61.4	+8.3	94	26	25	4	5.81	+2.40	1.94	12	0	10	13	8	9	w.	Roscoe H. Jackson
Wellsburg, 3 miles NE.	Brooke	668	55	56.1	+6.5	88	26	18	3	5.35	+2.19	1.86	12	T.	9	11	9	10	.....	George P. Pfister
West Milford‡	Harrison	979	22	....	.....	.....	.....	.....	.....	6.70	+2.88	2.47	12	0	12	.....	.....	.....	.....	Scotland G. Highland
Wheeling (Dam 12)	Ohio	659	64	55.9	+4.3	92	26	27	4†	5.00	+1.77	1.22	12	T.	12	7	13	10	sw.	Lockmaster
Means and Extremes		.....	....	**56.3**	.....	**94**	**26**	**12**	**4**	**6.31**	.....	**3.53**	**12**	**T.**	**12**	**10**	**9**	**11**	w.	
Southern Division																				
Arbovale	Pocahontas	2,734	25	.....	.....	.....	.....	.....	.....	4.93	+1.71	3.30	13	0	10	17	6	7	w.	H. S. Sutton
Athens	Mercer	2, 600	8	56.4	.....	83	26	27	4	4.17	.....	0.84	7	0	13	19	7	4	.....	Concord College
Bluefield	Mercer	2, 590	53	59.2[a]	+5.6	83[a]	26	31	4	5.28	+2.17	1.78	7	0	12	21[b]	1[b]	6[b]	.....	Norfolk & Western Ry
Bluestone Dam	Summers	1,407	6	59.2	.....	89	26	29	4	5.73	.....	1.35	8	0	13	10	12	8	.....	Willard F. Russell
Charleston	Kanawha	615	61	60.2	+3.9	92	26	30	4	6.43	+2.56	2.06	13	0	16	15	4	11	.....	W. Va. Water Service Co.
Charleston (Airport)	Kanawha	§950	0	59.6	.....	88	26	30	4	6.46	.....	2.72	13	0	15	7	11	12	se.	Civil Aero. Administration
Coalwood	McDowell	1,450	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. McNees
Cranberry Glades	Pocahontas	3,400	4	50.0	....	76	25	12	4	6.78	.....	1.36	27	0	17	8[a]	14[a]	7[a]	e.	Department of Justice
Flat Top	Mercer	3,270	10	51.9	+2.8	77	26	27	4†	5.54	+2.52	1.63	7	T.	12	8	12	10	nw.	U. S. Airway Station
Gary	McDowell	1,426	31	58.4	+5.0	89	26	27	4	4.90	+1.41	1.31	7	0	13	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	5	58.4	.....	91	26	27	10	7.28	.....	2.80	13	0	14	14	9	7	...	W. Va. Water Service Co.
Hinton	Summers	1,431	59	60.4[b]	+7.2	91[b]	24†	29	4	5.61	+2.41	1.72	8	0	13	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington	Cabell	571	52	61.6	+7.0	90	26	33	4†	7.03	+3.52	3.04	12	0	16	9	9	12	nw.	H. N. Robinson
Kayford	Kanawha	1,335	31	.....	.....	.....	.....	.....	.....	7.97	+3.91	1.50	13	0	12	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	57.0	+6.5	85	24†	25	4	5.83	+2.51	1.53	14	0	14	18	5	7	.....	Prof. H. B. Graybill
Logan	Logan	700	35	61.4	+4.1	93	26	31	4	8.02	+3.87	1.47	6	0	14	16	4	10	.....	J. W. Ruff
London Locks	Kanawha	623	13	58.8	.	90	26	29	10	6.33	+3.02	2.05	13	0	15	....	..	....	w.	Lockmaster
Madison	Boone	675	27	60.3	+6.0	91	26	29	4	6.44	+2.60	2.12	13	0	11	11[a]	9[a]	9[a]	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	6	56 3	.....	84	26	27	10	4.18	.....	1.01	13	0	10	10	5	15	....	M. H. Martin
Pineville	Wyoming	1,350	6	57.5	....	87	24†	25	13	6.55	.....	1.70	8	0	13	14	4	12	....	Walter C. Byrd
Point Pleasant	Mason	540	58	60.7	+5.8	90	25†	31	10	7.19	+3.88	1.80	12	0	13	12	7	11	sw.	E. C. Winger
Rainelle	Greenbrier	2, 424	17	57.0	+8.8	88	24	21	4	5.51	+1.32	1.40	28	0	13	12	7	11	.....	L. G. Swing
Ravenswood (Dam 22)	Jackson	584	33	59.0	+5.2	89	26	27	10	6.80	+3.64	1.75	12	0	13	11	9	10	nw.	Lockmaster
Richwood	Nicholas	2, 193	17	.....	.....	.....	.....	.....	.....	5.66	+1.78	1.08	13	0	13	7[c]	5[c]	15[c]	.....	Richwood Water Co.
Ripley	Jackson	610	6	59.3[a]	.....	91[a]	25	26	10	6.61	.....	2.38	12	0	15	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	49	57.8	+5.0	90	26	26	10	7.65	+4.26	1.96	12	0	14	5[b]	14[b]	9[b]	...	A. M. McKown
Summersville	Nicholas	1,900	12	52.6	.....	85	25	20	3†	5.46	+2.25	1.48	12	0	11	12	12	6	.....	A. E. Dorsey
Sutton	Braxton	900	45	59.6	+6.8	89	26†	25	10	5.41	+1.56	1.33	11	0	9	15	5	10	nw.	C. B. Eakle
Union	Monroe	2, 200	44	55.0	+3.2	84	24†	24	4	4.49	+1.60	1.20	7	0	12	18[a]	4[a]	7[a]	w.	Thelma F. Spangler
Webster Springs	Webster	1,560	16	58.8	.....	86	26	27	4	5.75	....	1.63	13	0	12	16	5	10	e.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	34	57.6	+6.2	86	25	22	5	5.13	+1.85	1.05	7	0	11	11	11	8	w.	Greenbrier Hotel
Williamson	Mingo	673	47	60.9[b]	+5.4	92	25†	30[c]	4	9.12	+5.44	2.53	12	0	11	18[a]	3[a]	8[a]	se.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	10	58.0	.....	90	26	31	4†	6.41	+2.99	2.31	13	0	15	9	11	10	w.	Lockmaster
Means and Extremes		.....	...	**58.1**	.....	**93**	**26**	**12**	**4**	**6.10**	.....	**3.30**	**13**	**0**	**13**	**13**	**8**	**9**	w.	
State Averages and Extremes		.....	....	**56.8**	**+4.8**	**94**	**26**	**12**	**4**	**5.89**	**+2.36**	**3.53**	**12**	**T.**	**12**	**11**	**9**	**10**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. Ravenswood (Dam 22) is 1½ miles S. *Italics* interpolated. § New location; moved from Institute to Kanawha County Airport November 29, 1947. * Greatest 24-hour amount occurred on Jan. 31-Feb 1.

Daily Precipitation for April 1948

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac		.22	T.		T.	.44		.16	T.		.09	1.26	.96	.72	.02												.66	.30	T.	T.		4.83
Brushy Run[2]	do.	.38	T.			.16	.03		.22			.11	.93	1.28	.20		T.											.32	.20	T.			3.83
Harpers Ferry[2]	do.	.99	.02	.03		.07	.25		.02	.21		.50	.35	1.09	.33											.06		T.	.80	.06	.10		4.88
Inwood	do.	.67				.22			.27			.12	T.	.65	1.32	.05												.14	.77	.03			4.24
Kearneysville	do.	.80	.02			.21			.24			.10	.03	.48	1.70	.01									.04	T.		.30	.58	.01			4.52
Knobly Mountain[2]†	do.	.40	.21	T.			.18	T.	T.	.35	T.		.75	.85	.55	.40		.03						T.	.10	.04		.73	1.25	.15			5.12
Martinsburg[4]	do.	.07	.01			.01	.10	.03	.18			.08	T.	1.33	.47		.01												.12	T.			3.28
McNeill†	do.					T.	T.		.25			.08	T.	.80	.75										T.			T.	.85	T.			2.92
Petersburg	do.	T.	T.				.11		.83			T.	.29	1.66	.28		T.									.04		.21	.31	T.			3.69
Piedmont	do.		.42			.16	.01		.40				1.54	1.25	.56	.20		.02											1.11	.01			5.72
Romney	do.	.03		.02		.15	.01		.69	.01		.07	.88	.79	.79			.01							.25	.02		.06	.90	.01			4.19
Spruce Knob[2]†	do.																																
Stoney River Dam[2]†	do.		.34				.35		.07	.33			.68	.95	.54	.47		.05										.62	.33				4.73
Wardensville[2]	do.	.39					.19	T.	.02	.17			.03	1.05	1.48	.23										.01	T.		.80	.05				4.42
Northern Division																																	
Aberdeen†	West Fork		.47			.02	.20		T.			.08	1.98	1.20	.85	.02												T.	1.59	T.			6.41
Belington[2]	Tygart	.53	.12				.16		.11				.62	1.43	.52	.46						.02						1.12	.28	.07			5.44
Benson†	West Fork	.04	.40			.02	.02	.06				.03	2.30	1.60	1.10	.10				.03	.02							.02	.90	.05			6.69
Bens Run	Ohio	.40	.08			.05			.06			.11	3.13	1.20	.79						.12			T.				.86	.29	.02			7.11
Big Skin Creek	West Fork	.01	.68										1.80	.95	.75													.18	.43	.04			4.84
Brandonville[2]	Cheat	.25	.55				.34	T.				.05	2.45	1.00	1.18	.37	T.				.15								.38	.08			6.80
Brownsville†	West Fork	.05	.40				.13		.04				1.67	1.13	.89													.01	.76	.05			5.13
Buckhannon	Tygart		.54			T.	.10	T.	.05			.07	1.51	1.20	.71	.02					.02							.13	.90	.02			5.27
Cairo	Litl.Kanawha	.25	.38			.02	.04	.12	.13	.02		.02	3.30	3.49	1.23						.13				.19			.21	.39				9.92
Canaan Valley	Cheat		.20			T.	.53		.55			.04	.73	1.00	.87			.10								T.		.10	.65	.04	.12		4.93
Clarksburg[2]	West Fork	.30	.61	.04			.08	.05	T.			T.	2.10	1.30	1.00	.60		.06			.02							.02	.95				7.13
Crawford	do.		.52			.01	.11		.05			.02	1.53	1.27	.85						.01							.19	.57	.02			5.15
Creston[2]	Litl.Kanawha	.50	.47				.05	.10	.15			T.	1.70	1.07	1.50	.47												T.	.41	.01			6.43
Dailey[2]†	Tygart	.11	.24	.04			.39	.02	.15	.02		T.	.18	1.45	.53	.61	T.	.06			.07								.76	.18	.02		4.83
Dam 10, Mon. R. [2]†	Monongahela	.38	.58	.03			.23		T.	.05			2.22	1.10	1.40	.44		.05			.28								.25	.05	.01		7.07
Dam 13, O. R. [2]†	Ohio	.59	.16	T.			.17						1.22	.90	.96	.33												.24	.16	T.			4.78
Dam 15, Mon. R. [2]†	Monongahela	.36	.61	T.			.16			.10			2.50	1.23	1.24	.46						.13								.46	.03			7.28
Dam 19, O. R. [2]†	Ohio	.38	.08				.20	.08	.51	.08		T.	2.38	1.66	1.09	.21						.08						.22	.36	.02			7.35
Dam 20, O. R. [2]†	do.	.30	.08			T.	.39	.08	.46	.24		T.	2.42	1.66	1.26	.05						.18						T.	.57	T.			7.69
Elkins[1]‡	Tygart	.16	.30			.01	.19		.29	T.		.11	1.04	1.00	.79	.01	T.				.01	.01			T.			.90	.57	.02	T.		5.41
Fairmont[2]	Monongahela	.35	.26			T.	.09		.13			.05	3.17	.97	.86		T.				.11							.73	.07				6.79
Glenville[2]	Litl.Kanawha	.43	.60				.02	T.	.03	T.		.01	1.24	1.73	1.06	.49		T.				T.						T.	.34	.69	T.		6.64
Grafton	Tygart		.65			.04	.20		.30			.06	2.81	1.01	.85							.09						.23	.45	.02			6.71
Grantsville	Litl.Kanawha		.42				.06	.03	.15	T.		.04	1.84	1.78	1.20	.52												.08	.61	T.			6.73
Hackers Creek†	West Fork	.05	.55			.02	.07		.17			.12	2.05	1.10	.93													T.	.70	T.			5.76
Hall[2]	Tygart	.06	.45	.02			.12		.05			T.	.73	.59	.51	.41													1.19	.06	T.		4.19
Harrison Co. Arpt[4]	West Fork	.45	.16			.02	.19		.05			.13	2.88	1.18	.64		.02				.04							.71	.19	.04			6.70
Hastings	Ohio	.58	.48			.02	.26		.28			.07	2.06	1.29	1.11							.35						.38	.58				7.46
Ireland	West Fork		.79	T.	T.								1.25	1.41												T.			.91	.31			4.67
Jane Lew	do.	.05	.56		T.	.03	.14		.02			.05	1.89	1.30	.92	.04						T.						T.	1.02	.03	T.		6.05
Kingwood	Cheat		.45						.10	T.			T.	.06	.08	.06	T.					.10						.20	.60				§§
Kumbrabow St.For.†	[2]Tygart	.01	.56			.06	.17	.09	.29	.01		.05	.90	1.42	1.06	.05		.08				.05						.34	1.40	.10			6.64
Lake Floyd	West Fork	.22	.58			T.	.08		.08			.05	3.33	1.12	1.31			.10				.03						.80	.36	T.			8.06
Mannington	Monongahela	.15	.72	.01		.04	.30		.12			.12	3.22	1.23	1.65	.01		T.				.18						.27	.59				8.61
Middlebourne[2]	Middle Is. Crk.	.73	.37				.17	.05	.18				2.29	1.27	1.27	.26						.09				.22		.15	1.57				8.62
Midvale[2]†	Tygart		.60	.12			.30	.02	T.	.02			.45	1.70	.65	.56										.18			.90	.40			5.90
Morgantown	Monongahela	.05	.55			T.	.19		.06			.04	2.72	1.41	1.08	.04	T.	T.										T.	.62				6.76
Mt. Clare	West Fork		.65						.22			.10	2.51	1.03	.83			.03								T.		.57	.40				6.34
New Cumberland	Ohio	.52	.06	.04			.19					.37	2.59	.99	1.10	.02	.12		T.				.02	T.	.03			.10	.64	T.			6.79
New Martinsville	do.	.55	.39			.08	.55	T.		T.			2.79	1.03	1.08	T.	.03				.06			T.				.46	.15	T.			7.17
Parkersburg[1]‡	do.	.06	.02			.12	.12	.08	.55			.39	2.85	1.20	.78	T.				.09								.25	.24				6.75
Parsons	Cheat	T.	.68	T.		.01	.23	T.	.25			.11	1.00	1.00	.88	.01		.06				T.		T.				.05	.60	.04	.06		4.98
Philippi[2]	Tygart	.07	.36	.03			.12	T.	T.	T.			.98	1.60	.45	.40		.03				T.							.62	.15	T.		4.81
Roanoke	West Fork		.49		T.		.05		.05				1.61	1.31	T.													.10	.70				4.31
Rockford†	do.	.03	.42			.05	.08		.05			T.	2.25	1.32	.92													T.	.82				5.94
Rowlesburg[2]	Cheat	.16	.45	.06			.25		T.	.23		T.	1.69	1.58	.59	.56						T.							.72	.23	T.		6.52
Salem	West Fork	.27	.60			T.	.09		.10			T.	3.48	1.03	1.47							T.						.62	.50	T.			8.16
Sand Fork	Litl.Kanawha		.45			T.		T.	.02			.05	1.35	1.44	.84	.01						.01						.16	.79	.05			5.17
Shinnston	West Fork	.08	.72			.06	.16		.02			T.	3.53	1.12	.96		T.					.20						.52	.21	.10			7.68
Thomas[2]	Cheat	.26	.46	.06			.46	.01	.17	.23	T.		.50	1.28	.75	.87													.43	.14	.10		5.72
Upper Davisson Run	West Fork	.08	.67	T.		.02	.09		.06			.04	2.59	1.58	1.18	.01		.07			.08							.05	1.00	T.	T.		7.52
Valley Chapel	do.		.63			.18	.12		.03			.10	1.94	1.40	.93														.45	.03			5.81
Valley Head[2]	Tygart	.27	.80	T.			.20	.12	.06	.28		T.	.16	1.54	1.25	.37	T.	T.				T.	T.					.05	.71	.15	.05		6.01
Vandalia†	West Fork		.47	T.			.07		.06			.08	1.37	1.21	.87													.37	.43	.05			5.07
Wellsburg, 3 mi. NE	Ohio	.42	.09				.25			T.		.13	1.86	1.20	.96	T.									T.			.10	.34	T.			5.35
West Milford	West Fork	.05	.53				.02		.12			.13	2.47	1.35	.99							.01						.12	.90	.01			6.70
Weston[2]	do.	.43	.30	.02			.14	.03	.12				.62	1.95	.85	.55													.78	.16	.08		6.03
Wheeling (Dam 12)[2]	Ohio	.62	.11	T.			.22			T.	T.		1.22	.88	1.09	.34		.01				.01				.01	T.		.26	.23	T.			5.00
Southern Division																																	
Arbovale	Greenbrier		.01			.05	.05		.45			.01	.20	3.30	.32		T.											.47	.07	T.			4.93
Athens	New		.10			.04	.45	.84	.74	.13		.05	.21	.28	.76	T.													.19	.29	.09			4.17
Bluefield	do.		.12			.12	.30	1.78	1.06				.25	.02	1.01	.02													.13	.33	.14			5.28
Bluestone Dam	do.	.22	.09				.06	.88	1.35	.30	T.		.07	.63	.78	.31													.40	.61	.03			5.73
Camden-on-Gauley[2]	Gauley	.21	.32				.30	.04	.72					1.94	.70	.78													.03	.88	.31			6.23
Charleston	Gr. Kanawha	.05	.46				.36	.34	.36			.04	.91	2.06	.65	.24	T.	.01				T.			.02				.08	.79	.03	.03		6.43
Charleston Airport	do.	.24	.22			.27	.60	.08	.29			.03	1.74	1.24	1.01		.05				T.	T.		.02				.30	.33	.04			6.46
Coalwood	Big Sandy																																
Cranberry Glades	Cranberry	.37	.22			.03	.35	.50	.45			.20	.34	.80	1.00	.06		.03									1.10	.26	.90	.15	.02			6.78
Flat Top[4]	New	.09	.14			.07	1.31	.66	.69			.16	.91	.31	.40													T.	.47	.33				5.54
Gary[2]	Big Sandy	.20	.32				.34	1.31	1.11	.06		.06		.65	.33	.37						.01							.06	.08				4.90
Hamlin	Mud	.18	.26				.64	.34	.79			.08	.85	2.80	.72	.18												.05	.06	.17	.16			7.28
Hinton[2]	New	.25	.12				.12	1.14	1.48	.24		.15		.98	.45	.20													*	*	.48			5.61
Hogsett	Ohio	.22	.15				.15	.53	.36	T.		.03	1.86	2.40	.61	.37						T.			T.			.25	.67	.02	.06			7.68
Huntington	do.	.19	.06			.10	.29	.60	.29				2.98	1.41	.54	T.			T.			T.		.18	.02	.02	T.	.07	.20	.02	.06			7.03
Kayford[2]	Gr. Kanawha		.10		.25	.30	1.25	.70		.57				1.50	1.00	.65													.65	.70	.30			7.97
Lewisburg	Greenbrier		.08			.02	.22	1.04	.88	.01		.17	.22	.81	1.53														.28	.43	.07			5.83
Logan[2]	Guyandot	.11	.96				.41	1.06	.92			.27	.32	1.35	.90	.48		T.				T.				T.	T.	.45	.03	.73	.03			8.02
London Locks[2]†	Gr. Kanawha	.22	.68				.24	.24	.27	.05		.11		2.05	.47	.68		.02			.03								.85	.28	.14			6.33
Madison[2]	Coal	.13					.36	.47	1.25			.12		2.12	1.07	.18													.31	.35	.08			6.44
Oak Hill	New		.35				.09	.55		.68		.13		1.01	.57	.46												.09			.25			4.18
Pineville[2]	Guyandot	.30	.56				.31	.90	1.70	.14		.11	.15	.72	.55	.69		T.											T.	.31	.11			6.55
Point Pleasant[2]	Ohio	.0					.22	.11	.43				1.80	1.74	1.10	.28													.02	.58	T.	.12			7.19
Princeton[2]	New	.14	.05				.17	1.30	1.03	.08		.02		.06	.80	.22													.10	.43	.07			4.53
Rainelle	Greenbrier		.30		.08	.20	.88	.36				.14	.40	.78	.63													.07	.18	1.40	.09	T.		5.51
Ravenswood[2]	Ohio	.30	.15				.16	.14	.26	.17		T.	1.75	1.60	1.20	.65					.03								.07	.32				6.80

Continued on next page.

Daily Precipitation for April 1948—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	.39	.44	...	...	...	.29	.43	.33	.31	...	...	.07	1.08	.45	.27	...	...	...	...	...	...	...	...	...	...	...	.25	.81	.54	...	...	5.66
Ripley	Ohio	.14	.18	...	...	.02	.11	.62	.17	...	...	.03	2.38	1.29	.97	...	...	...	...	...	...	.05	...	...	.01	...	...	.09	.53	...	.02	...	6.61
Spencer [2]	Litl.Kanawha	.65	.46	...	...	...	.05	.05	.37	...	...	.03	1.96	1.25	1.37	.50	...	.05	...	...	...	...	...	...	T.	...	...	...	.75	.03	.13	...	7.65
Summersville [2]	Gauley	.27	...	...	...	.20	.24	.65	...	...	.09	.50	1.48	.75	.58	...	...	...	...	...	...	...	...	...	...	...	...	.10	.60	...	...	...	5.46
Sutton	Elk	...	.70	...	...	T.	.11	T.	.27	...	.05	1.33	1.22	.88	...	...	...	...	...	...	...	...	...	...	...	...	...	.30	.55	...	...	...	5.41
Union [2]	New	.29	.12	...	...	...	.11	1.20	1.15	.19	...	.10	T.	.32	.45	.20	f	...	...	...	...	...	...	...	...	...	...	...	.24	.12	...	...	4.49
Wayne [2]	Twelvepole	.17	.30	...	...	...	.35	.69	1.76	...	...	...	.50	2 69	.55	...	...	...	...	...	...	...	...	...	...	...	...	.02	.21	.23	...	...	7.47
Webster Springs	Elk	...	.51	...	...	.11	.11	.03	.34	...	...	.05	54	1.63	1.12	...	...	...	...	...	...	...	...	...	...	...	...	.35	.74	.22	T.	...	5.75
White Sulp'r Spgs.	Greenbrier	.24	...	T.	...	...	.40	1.05	.98	...	.10	.15	.21	.54	.90	T.	...	...	...	...	...	...	...	...	...	...	...	.22	.34	T.	...	...	5.13
Williamson [2]	Big Sandy	.04	.55	...	...	...	.33	2.44	1.53	.06	...	...	...	2.53	.83	.45	...	...	...	...	...	...	...	...	...	...	...	...	...	.34	.02	...	9.12
Winfield Locks [2]†	Gr. Kanawha	.19	.20	...	...	...	.14	.19	.60	T.	...	.03	.83	2.31	.96	.26	...	T.	...	...	...	...	...	...	.02	...	...	.20	.39	.05	.04	...	6.41

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Brownsville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Dam 10, Morgantown; Dam 13, McMechen; Dam 15, Hoult; Dam 19, Washington; Dam 20, Belleville; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont[5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for April 1948

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	70	68	54	66	67	68	62	69	63	62	73	75	80	65	61	70	68	63	75	76	69	64	73	79	79	83	76	75	54	59	...	68.9
	Minimum	50	37	33	27	47	47	45	52	39	28	46	58	54	54	41	45	36	33	33	46	56	38	39	46	51	55	52	48	43	40	...	44.0
Bayard	Maximum	72	62	56	64	67	63	59	70	60	55	67	67	48	49	55	70	65	62	74	79	70	55	67	78	79	84	75	58	52	57	...	64.6
	Minimum	38	33	38	19	35	51	49	48	32	23	32	47	40	38	39	30	29	23	36	46	45	39	30	40	50	41	48	38	36	36	.	37.6
Bluefield	Maximum	70	68	51	67	66	71	69	67	62	63	72	78	81	72	65	73	72	67	80	77	76	68	76	80	...	83	80	77	55	62	...	°70.6
	Minimum	52	37	34	31	50	52	47	55	39	32	48	57	60	57	41	48	42	38	65	52	59	41	45	56	...	58	58	48	43	42	...	°47.8
Buckhannon	Maximum	73	66	51	72	69	69	73	72	70	56	71	72	73	64	60	73	71	72	78	80	76	67	78	82	84	87	81	72	55	63	...	71.0
	Minimum	41	37	33	24	48	56	48	54	37	22	40	48	46	52	43	41	34	29	42	48	49	41	38	52	51	49	53	48	43	38	...	42.8
Charleston (Airport)	Maximum	71	56	56	75	66	67	70	76	55	70	77	75	76	63	64	78	62	78	82	83	70	74	83	85	87	88	82	59	61	65	...	71.8
	Minimum	50	37	35	30	57	54	48	55	39	31	55	50	49	48	45	43	38	36	49	55	50	45	53	59	55	54	59	51	47	46	..	47.4
Clarksburg [3]	Maximum	71	73	52	74	70	70	75	77	49	59	74	60	69	62	63	74	55	74	81	84	57	69	80	84	87	89	77	55	57	64	..	69.5
	Minimum	44	40	35	26	31	51	51	53	41	24	30	55	46	50	44	43	36	32	33	52	54	42	40	43	57	52	55	51	42	36	..	43.0
Cranberry Glades	Maximum	58	66	44	57	63	62	63	66	66	52	55	66	72	74	55	61	67	60	66	71	73	58	61	74	76	75	73	70	53	47	...	63.5
	Minimum	41	32	28	12	40	47	42	44	33	34	38	44	50	47	36	36	29	22	26	33	44	35	29	36	38	40	42	43	35	36	...	36.4
Elkins	Maximum	71	52	48	72	67	66	70	71	52	56	71	69	75	58	60	72	55	69	79	79	65	68	77	79	81	84	75	56	51	60	...	66.9
	Minimum	45	36	29	22	48	52	47	52	33	23	49	48	49	47	41	39	34	29	45	48	46	44	40	51	54	47	49	44	40	40	...	42.4
Fairmont [3]	Maximum	74	55	54	71	73	72	75	81	54	55	72	69	65	61	63	77	56	74	80	84	60	70	78	87	88	92	75	55	55	66	...	69.5
	Minimum	48	37	34	27	49	55	55	52	34	26	40	46	45	47	44	43	35	31	51	51	49	46	40	48	60	53	53	53	46	43	35	...	44.1
Flat Top	Maximum	69	47	49	63	62	63	56	66	48	59	70	66	76	57	57	68	56	60	71	74	64	61	69	76	75	77	73	53	50	56	...	63.0
	Minimum	43	32	28	27	45	45	45	48	31	27	42	53	54	40	37	43	33	33	40	42	40	39	38	45	53	51	52	43	38	38	...	40.8
Gary [3]	Maximum	75	55	59	75	71	75	70	72	57	69	79	77	68	60	67	75	65	73	81	82	73	77	82	84	85	89	81	58	59	64	...	71.9
	Minimum	48	41	31	27	43	47	49	50	44	30	37	55	57	58	46	42	43	36	38	43	51	38	42	51	49	51	54	52	48	46	...	44.9
Glenville	Maximum	73	63	55	75	72	73	74	78	75	60	75	75	73	66	64	78	75	75	82	83	77	72	81	86	87	89	85	62	60	65	..	73.6
	Minimum	46	40	34	28	57	55	48	56	41	26	42	50	47	55	45	43	36	31	48	57	52	42	41	51	50	51	55	49	47	49	...	45.7
Grafton	Maximum	72	67	50	71	71	68	74	76	71	55	72	66	67	61	61	75	71	73	79	82	70	68	76	83	84	87	79	65	56	62	...	70.4
	Minimum	42	37	35	22	43	54	48	53	37	22	37	46	46	45	43	37	33	27	43	47	50	45	35	45	53	48	50	48	39	35	...	41.5
Huntington	Maximum	72	61	60	75	72	64	68	81	74	66	76	75	73	64	65	81	75	78	84	85	82	76	86	87	88	90	85	70	63	70	...	74.9
	Minimum	47	41	34	33	56	56	49	58	40	33	56	50	49	54	47	44	38	37	51	52	53	45	48	56	56	58	61	54	48	43	...	48.2
Lewisburg	Maximum	72	65	57	68	69	66	66	74	68	63	75	72	82	65	66	71	69	64	72	81	74	64	73	85	84	85	79	70	61	64	...	70.8
	Minimum	50	40	35	25	42	41	48	49	40	28	46	60	54	51	43	44	35	30	35	42	55	44	36	40	50	52	53	47	43	40	...	43.3
Logan [3]	Maximum	75	61	61	79	70	73	67	80	61	70	81	73	78	64	68	81	65	81	86	87	68	81	85	88	92	93	85	57	62	68	...	74.7
	Minimum	50	43	34	31	52	51	51	52	45	33	40	57	55	60	49	45	43	36	47	46	52	44	52	54	55	55	58	56	50	47	...	48.1
Madison [3]	Maximum	75	60	60	76	69	65	70	78	68	71	79	71	78	64	68	79	64	78	84	85	64	79	85	87	88	91	84	55	60	67	...	73.4
	Minimum	48	41	34	29	50	50	49	55	43	31	37	68	53	54	46	43	41	34	47	46	59	42	49	55	54	54	57	53	48	46	...	47.2
Mannington	Maximum	73	65	52	73	72	70	74	80	74	55	72	72	65	63	65	78	72	76	82	84	80	71	78	84	90	91	85	74	57	67	...	73.1
	Minimum	40	35	30	20	33	50	46	52	35	20	35	42	44	48	43	39	36	26	42	45	49	42	35	42	56	49	52	48	40	31	...	40.2
Martinsburg	Maximum	72	58	50	61	75	71	57	78	62	59	59	66	52	43	60	69	56	59	71	85	71	61	65	70	82	72	61	44	56	68	...	63.8
	Minimum	52	40	32	25	37	54	53	51	39	31	42	51	40	39	38	36	35	28	41	50	45	42	32	44	56	53	43	42	35	38	...	41.5
Middlebourne	Maximum	69	55	55	75	70	71	73	78	52	68	74	53	63	62	64	77	58	75	81	83	55	71	78	86	87	90	77	56	58	65	...	69.3
	Minimum	44	39	29	27	42	56	49	55	37	25	47	49	43	46	46	41	34	31	48	50	49	41	42	50	55	52	56	52	46	36		43.9
Morgantown	Maximum	73	65	52	75	75	69	70	82	75	59	70	71	60	57	62	77	72	77	82	85	80	71	80	87	88	92	79	60	57	69	...	72.4
	Minimum	49	37	35	27	43	57	56	59	39	28	45	45	45	44	43	43	32	32	53	56	51	44	42	57	57	58	59	49	41	61	...	46.2
New Martinsville	Maximum	71	57	55	71	70	72	73	82	73	59	71	55	58	60	62	71	60	78	84	86	81	76	80	86	91	94	84	62	61	69	...	71.7
	Minimum	38	38	31	26	43	55	50	55	38	25	45	46	44	46	45	46	33	32	48	50	50	38	45	55	54	53	58	51	41	35	...	43.8
Parkersburg	Maximum	68	55	53	73	69	71	71	80	51	60	73	63	57	63	62	78	57	75	81	85	64	71	81	85	89	91	82	57	61	67	...	69.8
	Minimum	50	39	35	32	58	56	52	50	36	29	54	47	45	47	46	45	37	38	56	57	45	45	48	58	56	58	57	51	45	44	...	47.2
Petersburg	Maximum	75	59	53	70	74	75	61	79	62	61	64	70	50	45	64	77	59	65	79	86	73	59	70	86	85	87	72	53	56	66	...	67.8
	Minimum	50	44	35	25	51	55	54	51	39	31	42	49	44	41	45	38	37	28	41	58	50	39	32	51	59	51	53	42	42	36	...	43.8
Point Pleasant	Maximum	73	61	60	75	74	67	68	79	76	64	72	72	60	60	63	77	76	77	81	83	81	75	84	85	90	90	90	70	63	67	...	73.8
	Minimum	48	40	33	32	50	55	50	56	41	31	54	52	47	51	46	45	37	38	53	55	51	43	48	56	56	56	60	53	47	43	...	47.6
Rainelle	Maximum	71	64	54	69	60	66	64	68	68	65	74	72	79	65	64	74	69	65	78	80	73	69	75	88	84	86	78	71	56	61	...	70.3
	Minimum	42	37	34	21	37	45	44	46	38	25	44	55	55	53	41	39	34	34	32	37	51	51	53	66	60	54	51	49	45	42	...	43.8
Spencer	Maximum	71	58	57	75	69	70	70	79	56	63	75	59	70	68	65	78	60	76	82	84	70	75	84	85	89	90	80	55	64	67	...	71.5
	Minimum	45	39	33	28	45	45	49	53	41	26	35	52	48	52	45	40	35	32	51	49	52	41	45	53	51	52	55	52	46	37	...	44.2
Summersville [2]	Maximum	52	57	70	66	72	67	72	50	61	60	69	77	59	62	73	58	68	71	80	61	73	80	63	83	85	72	55	58	60	60	...	66.5
	Minimum	35	32	20	44	49	40	45	35	20	36	45	54	55	39	36	32	26	26	42	56	34	36	45	44	45	40	34	35	42	36	...	38.6
Sutton	Maximum	74	74	58	75	75	70	70	75	75	58	75	75	75	64	80	80	75	85	85	85	73	82	86	87	89	89	85	58	66	...	...	75.8
	Minimum	46	41	35	26	48	50	46	52	44	25	40	58	49	37	46	41	35	29	35	45	52	39	41	50	49	47	54	52	48	41	...	43.5
Wardensville [3]	Maximum	76	54	52	65	73	73	54	77	49	60	66	66	49	50	62	76	57	62	74	83	61	56	67	75	83	75	72	45	57	64	...	64.4
	Minimum	50	45	39	22	36	44	52	51	45	29	34	49	48	37	38	35	37	25	35	49	53	44	28	43	51	54	52	43	40	35	...	41.4
Wheeling [3]	Maximum	67	53	49	72	70	68	73	78	61	59	71	59	52	62	65	71	54	72	78	81	67	69	72	85	88	92	79	63	59	65	...	68.6
	Minimum	47	38	33	27	31	55	52	60	36	27	34	46	43	45	43	42	33	31	36	55	48	37	41	50	57	54	58	54	44	39	...	43.2
White Sulphur Spgs.	Maximum	63	74	70	58	68	69	68	67	70	65	76	78	84	65	70	76	65	78	82	86	86	68	83	87	90	92	92	88	61	59	69	...	72.5
	Minimum	45	56	41	34	22	36	42	44	41	26	47	56	53	50	45	52	36	28	29	38	55	41	35	43	41	50	55	50	45	43	...	42.6
Williamson [3]	Maximum	78	60	65	80	70	77	65	79	61	72	81	76	75	65	71	82	67	82	86	86	68	83	87	90	92	92	88	61	59	69	...	°75.6
	Minimum	48	41	33	30	33	50	49	54	45	33	40	62	56	59	48	44	43	36	45	46	54	42	44	54	54	53	51	....	....	....	....	°46.2

Daily Evaporation (inches) and Wind Movement (miles) for April 1948

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
Clarksburg	Evaporation	.045	.154	.194	.029	.104	.150	.117	.082	.208	.249	.090	.....	.029	.094	.072	.080	.261	.124	.124	.133	.225	.092	.135	.029	.246	.201	.134	.089	.011	.056	....	3.683
	Wind movement	123	117	178	121	30	64	57	51	256	197	50	95	74	53	79	94	186	70	33	39	170	90	80	55	78	58	22	55	65	28	....	2668
Wardensville	Evaporation	.....	.024	.284	.117	.290	.158	.128	.022	.099	.194	.278	.034	.058	.017	.138	.138	.123	.335	.124	.145	.334	.123	.055	.143	.062	.168	.199	.167	.091	.005	....	4.187
	Wind movement	....	37	107	69	58	43	53	37	92	101	45	102	39	52	54	23	91	48	38	55	59	67	20	46	45	48	50	73	42	17	....	1611

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs. Bold face figures indicate minus quanity.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement.

(WBO, Philadelphia, Pa.—8-31-48—1050)

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CLIMATOLOGICAL DATA

WEST VIRGINIA SECTION

VICTOR T. HORN
PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LVI MAY 1948 No. 5

GENERAL SUMMARY

The monthly mean temperature, 60.5°, was 1.2° below normal. The only warm period was that of the 8-12th. The nights were unseasonably cool much of the month. Killing frosts were reported from Canaan Valley and Kumbrabow State Forest on the 6th and from Brandywine and Mannington on the 20th.

Precipitation averaged slightly above normal. The wet periods were 1st-7th, 13-18th and the 28-30th. All stations averaged above normal in precipitation except in the extreme southern counties, those along the Ohio River and a few in the extreme northern part of the State.

On the 2d, a tornado tore a path from Big Isaac in Doddridge County via Buffalo Creek, West Milford, Highland Dam section on West Fork River, Mt. Clare to Quiet Dell in Harrison County. Four to six persons were said to have died as result of the storm. Property damage was $250,000 or slightly more according to most estimates.

Ample precipitation and rather cool weather made good conditions for the wheat and grass crops. Potatoes also had favorable weather for growth. However, wet soil made corn planting difficult while cold nights were adversely affecting the growth of the warm-season crops during the latter part of the month.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 68 stations, was 60.5°, or 1.2° below the normal. The mean for the northeastern panhandle division was 60.7°; for the northern division, 60.1°; and for the southern division, 60.9°. The highest monthly mean was 64.6° at Huntington; and the lowest, 53.2° at Cranberry Glades. The highest temperature was 96° at Moorefield on the 12th; and the lowest, 28° at Cranberry Glades on the 6th and Richwood on the 20th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 96 stations, was 4.28 inches, or 0.27 inch above the normal. In the northeastern panhandle division, the average was 4.62 inches; in the northern division, 4.65 inches; and in the southern division, 3.80 inches. The greatest monthly precipitation was 10.09 inches at Alpena, and the least, 1.79 inches at Hogsett. The greatest amount in any 24 consecutive hours was 2.26 inches at Harpers Ferry on the 25th. The average monthly snowfall was a trace, or exactly normal. The greatest monthly snowfall was a trace at Canaan Valley, Kumbrabow State Forest and Spruce Knob on the 8th. The average number of days with 0.01 inch or more of precipitation was 13.

ERRATA

October 1947. — Page 38: Lewisburg, mean temperature 58.2, temperature departure +5.0; page 40, mean maximum 71.0.

January 1948. — Page 2: Brandonville, mean temperature 19.0; Lewisburg, total precipitation 2.07, precipitation departure −1.28; Mannington, number days 0.01 or more 20; Pineville, greatest precipitation in 24 hours 1.09 on 12th; Stony River Dam, length of record years 28; Wheeling, mean temperature 22.3, temperature departure −8.1; Winfield Locks, mean temperature 24.2. Page 4: Brandonville, mean minimum 8.6.

February 1948. — Page 6: Canaan Valley, delete subscript "a" on character of day data; Martinsburg, mean temperature 32.7, temperature departure +1.3; Stony River Dam, length of record years 28. Page 8, Martinsburg, mean minimum 21.7.

MISCELLANEOUS PHENOMENA
(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	10	4	14	3	11	2	..	..	..	..	..	5	..	2	..	..	..	2	1	..	..	..	1	2	1	4	4	8	5	2
Frosts, killing	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..	..	..	2	..	..	..	..	..	..	..	..	..	..	..
Gales	1	10	7	1	3	1	7	15	5	2	..	2	..	..	..	1	9	5	5	1	13	3	..	..	..	..	..	1	..	..	..
Hail	2	16	5	..	2	..	1	..	..	..	..	..	..	..	..	1	7	..	..	..	3	2	..	..	..	..	..	1	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	1	1	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	6	43	26	10	8	2	5	..	..	1	1	7	8	18	2	8	20	7	..	1	12	3	..	1	..	..	1	17	6	..	2

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches				Wind				Mean relative humidity			Percentage of Sunshine	Degree days
	Highest	Date	Lowest	Date	Average hourly velocity	Maximum velocity	Direction	Date	7:30 a. m.	1:30 p. m.	7:30 p. m.		
Columbus, Ohio	30.34*	19*	29.48*	7*	9.5	41	sw.	2	80	56	62	61	155
Elkins*	30.25	19	29.45	21	7.2	34	nw.	17	93	69	93	51	234
Huntington*	30.31	19	29.56	2	.....	20	nw.	2	85	54	64	....	121
Parkersburg	30.32	19	29.46	2	6.8	28	nw.	17	....	....	....	57	133
Petersburg, W.Va.	30.18	19	29.44	21	.....	35	nw.	8	84	55	66	....	148
Pittsburgh, Pa *	30.27	19	29.44	7	10.6	31	n.	21	77	54	61	50	193

*Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR MAY

Year	Temperature			Precipitation (inches) Average					Average no. of days			
	Mean	Maximum	Minimum	Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	With .01 inch or more precipita'n	Clear	Partly cloudy	Cloudy
1891	57.2	.....	.....	2.38	3.11	3.60	3.18	.....	.....	.....	.....	.....
1892	62.2	96	32	3.62	6.67	4.83	5.04	.....	.....	.....	.....	.....
1893	59.5	92	30	4.90	4.35	4.84	4.51	.....	10	12	9	10
1894	62.1	100	28	6.90	4.24	3.61	4.44	.....	13	16	9	6
1895	61.6	**105**	20	3.18	2.18	2.80	2.60	.....	9	12	11	8
1896	**68.3**	95	33	2.92	3.50	2.71	3.01	.....	10	11	13	7
1897	57.6	90	23	5.13	4.49	4.50	4.60	.....	11	13	10	8
1898	63.0	94	28	5.02	4.52	4.26	4.51	.....	13	13	10	8
1899	64.1	96	35	5.27	5.12	5.11	5.17	.....	12	11	11	9
1900	62.5	98	21	1.82	2.79	3.77	2.99	....	8	14	9	8
1901	61.8	96	21	6.65	5.59	6.65	6.15	.....	13	11	10	10
1902	65.2	98	25	2.20	3.09	3.58	3.17	.....	9	14	11	6
1903	64.3	95	20	3.22	3.63	2.40	3.03	T.	8	18	9	4
1904	61.8	98	25	3.57	3.41	3.75	3.55	T.	11	12	11	8
1905	64.2	96	26	3.28	5.08	5.36	4.95	0.0	11	12	10	9
1906	62.7	98	22	1.77	2.72	2.72	2.59	T.	9	15	9	7
1907	59.0	93	24	3.40	4.29	3.64	3.88	T.	12	12	10	9
1908	63.4	96	28	8.31	6.94	4.79	6.19	0.1	17	9	12	10
1909	60.8	93	21	3.51	3.75	3.96	3.82	0.1	10	14	9	8
1910	57.9	96	19	2.45	4.05	4.56	3.92	0.0	12	11	10	10
1911	66.0	100	22	1.78	1.39	1.34	1.46	0.0	5	20	8	3
1912	63.3	94	31	3.89	3.28	4.39	3.93	0.0	11	15	8	8
1913	61.6	95	19	5.54	5.60	4.50	5.16	0.0	10	14	8	9
1914	62.4	100	24	1.51	2.10	1.91	1.96	0.0	6	18	8	5
1915	61.1	92	29	4.55	4.24	4.10	4.22	0.0	13	10	9	12
1916	64.0	97	28	2.68	4.09	3.22	3.58	T.	11	14	9	8
1917	**55.5**	95	25	3.46	4.91	5.25	4.88	T.	10	11	8	12
1918	66.7	97	25	3.25	5.63	3.52	4.34	T.	11	15	9	7
1919	61.5	100	30	4.16	4.92	5.86	5.25	0.0	13	12	7	12
1920	58.9	95	24	1.87	2.90	2.94	2.76	T.	7	16	6	9
1921	61.4	96	24	5.83	4.49	4.08	4.48	T.	12	12	7	12
1922	63.7	94	26	3.21	3.52	4.01	3.67	0.0	11	14	7	10
1923	59.7	93	21	1.32	2.83	2.74	2.58	1.3	8	16	6	9
1924	**55.5**	93	23	8.74	7.12	6.72	**7.20**	0.1	17	9	7	15
1925	56.8	100	21	2.52	3.69	3.11	3.35	0.2	10	13	8	10
1926	61.2	94	24	1.65	2.37	2.98	2.50	T.	9	15	8	8
1927	62.0	95	21	2.41	4.71	3.84	4.13	T.	15	10	8	13
1928	58.9	94	22	1.68	3.02	2.29	2.61	T.	10	14	8	9
1929	60.8	98	23	4.49	5.84	6.21	5.81	0.1	15	10	9	12
1930	63.3	101	28	1.39	2.33	2.19	2.17	0.0	10	15	8	8
1931	60.6	98	23	5.22	5.68	4.25	5.09	T.	15	12	8	11
1932	62.1	96	24	5.78	2.85	2.70	3.11	0.0	9	17	7	7
1933	65.1	97	34	5.59	7.91	6.22	6.99	0.0	18	8	10	13
1934	63.1	100	27	2.56	2.05	1.97	2.08	0.0	6	18	8	5
1935	59.2	92	26	3.98	6.11	6.74	6.07	0.0	13	12	7	12
1936	64.1	100	25	1.89	2.08	1.88	1.99	0.0	6	20	7	4
1937	61.4	97	28	2.83	4.65	2.59	3.58	0.0	12	14	10	7
1938	61.1	94	20	5.26	6.25	5.78	5.97	T.	16	11	9	11
1939	63.5	100	19	1.67	1.22	1.50	**1.38**	T.	7	16	11	4
1940	60.1	95	22	4.36	5.81	3.60	4.93	0.1	13	11	10	10
1941	62.2	102	20	1.97	2.83	1.59	2.28	T.	7	17	9	5
1942	63.5	98	27	5.58	4.42	4.39	4.61	0.0	11	10	11	10
1943	63.5	96	17	3.71	5.04	4.41	4.59	T.	15	8	13	10
1944	67.2	95	25	4.23	4.40	4.33	4.35	T.	11	14	12	5
1945	57.9	95	19	3.79	5.08	5.41	5.01	0.2	14	12	10	9
1946	60.8	90	25	4.83	5.60	4.65	5.11	0.0	18	8	10	13
1947	60.1	96	**14**	3.06	4.60	3.02	3.57	T.	14	12	10	9
1948	60.5	96	28	4.62	4.65	3.80	4.28	T.	13	10	9	12
Period	61.7	105	14	3.73	4.20	3.89	4.01	T.	11	13	9	9

Climatological Data for May 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2 370	45	55.2	−1.2	85	11†	30	20	7.74	+3.44	1.15	28	0	17	12	3	16	w.	Howard R. Fulk
Harpers Ferry	Jefferson	400	59	.....	.....	.....	.....	.....	.....	6.58	+3.14	2.26	25	0	13	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	15	62.6	+0.1	90	11	39	9	4.85	+1.56	1.20	2	0	10	8	13	10	w.	H. W. Prettyman
Kearneysville	Jefferson	548	18	62.4	−1.0	91	10	38	20	5.92	+2.43	1.20	3	0	11	7	17	7	se.	University Exper. Station
Knobly Mountain	Mineral	1, 400	9	.....	.....	.....	.....	.....	.....	5.22	.....	1.37	29	0	10	.....	.....	.....	.....	David A. Arnold
Martinsburg Mun. A'rp't.	Berkeley	540	56	61.0	−1.8	89	11	39	2	4.98	+1.59	1.31	29	0	14	3	12	16	nw.	Civil Aero. Administration
McNeill, 2 NE	Hardy	800	14	60.4	+0.2	93	11	31	20	4.15	+0.92	1.10	28	0	12	6	9	16	w.	R. E. Saville
Petersburg WB City	Grant	1, 029	9	61.6	.....	92	11	38	20	4.45	.....	1.40	29	0	17	2	8	21	nw.	U. S. Weather Bureau
Piedmont	Mineral	1, 053	34	61.6	+1.6	90	11	38	20	4.58	+0.93	1.51	29	0	15	8	7	16	w.	C. A. Suter, Jr.
Romney	Hampshire	824	47	61.2	−1.7	91	11	35	20	2.78	−0.75	0.65	3	0	14	.....	.....	.....	.....	Marion W. Haines
Spruce Knob	Pendleton	4, 550	16	.....	.....	.....	.....	.....	.....	5.89	+0.80	1.87	30	T.	15	.....	.....	.....	.....	Moses R. Bennet
Stony River Dam	Grant	3, 300	28	.....	.....	.....	.....	.....	.....	6.13	+1.53	1.37	3	0	13	4	6	21	w.	Fred Becker
Wardensville R.M. Farm	Hardy	1, 200	30	60.2	+0.8	90	11	34	20	3.75	+0.79	1.00	29	0	14	16	12	3	n.	Reymann Memorial Farm
Means and Extremes		.....	....	**60.7**	.....	**96**	**12**	**30**	**20**	**4.62**	...	**2.26**	**25**	**T.**	**13**	**7**	**10**	**14**	w.	
Northern Division																				
Aberdeen	Upshur	1, 060	24	.....	.....	.....	.....	.....	.....	5.01	+1.14	1.11	3	0	14	5	12	14	w.	L. Esle Bond
Belleville Dam 20	Wood	600	31	.....	.....	.....	.....	.....	.....	3.21	−0.25	1.00	3	0	13	.....	.....	.....	.....	Lockmaster
Benson	Harrison	1, 080	23	68.3	+2.5	93	12	34	20†	3.69	−0.24	0.69	2	0	14	12	8	*11*	.....	R. D. Marts
Bens Run	Pleasants	652	47	62.2	−0.8	93	11	40	8†	3.79	−0.21	0.84	3	0	13	..	.....	.....	.....	Mrs. C. W. Rea
Brandonville	Preston	1, 798	7	56.6	.....	87	10	31	20	5.15	+0.51	1.10	3	0	13	.....	.....	.....	.....	James I. Galloway
Brownsville ‡	Lewis	1, 032	24	62.4	+0.8	92	11	33	20	4.38	+0.15	0.94	3	0	15	9	9	13	.....	M. D. Hawkins
Buckhannon	Upshur	1, 459	57	59.6	−1.5	87	11	33	20	5.76	+1.33	1.59	30	0	15	9	8	14	w.	Prof. Arthur B. Gould
Cairo, 3 S	Ritchie	680	42	60.8	−2.3	90	11	35	20	5.14	+1.72	0.76	14†	0	16	14	8	9	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3, 250	4	54.4	.....	84	11	29	6	6.95	.....	1.18	8	T.	18	5	15	11	w.	George B. Thompson
Cl'rksburg Ben'd'm Field	Harrison	1, 015	25	60.2	−0.1	89	11	35	20	3.60	−0.08	1.18	3	0	13	16	6	9	w.	Clarksburg Water Board
Clarksburg No. 1	Harrison	1, 184	8	58.8	....	88	11	35	20	4.97	.....	1.34	2	0	14	3	9	19	s.	U. S. Airway Station
Creston	Wirt	656	47	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	Beatrice M. Ledsome
Elkins WB Airport	Randolph	2, 006	49	57.7	0.0	87	10	32	20	4.51	+0.46	1.07	2	0	17	1	9	21	w.	U. S. Weather Bureau
Fairmont	Marion	1, 023	56	60.5	−1.6	91	11†	35	20	3.45	−0.43	0.73	3	0	14	3	6	22	sw.	Monongahela Power Co.
Glenville No. 1	Gilmer	780	60	62.0	−1.6	90	10†	37	20	4.56	+0.44	1.09	29	0	15	3	13	15	w.	Fred W. Wells
Grafton	Taylor	1, 100	54	59.1	−2.4	88	11	30	20	5.33	+1.65	0.85	3	0	17	11	7	13	sw.	William D. Myers
Grantsville	Calhoun	730	3	62.5	.....	92	11†	36	20†	4.28	.....	0.69	7	0	15	8	10	13	.....	Hope Natural Gas Co.
Hastings	Wetzel	809	13	.....	.....	.....	.....	.....	.....	5.71	+1.08	1.70	29	0	16	*14*	8	9	w.	L. G. McIntyre
Hoult Lock 15	Marion	882	26	.....	.....	.....	.....	.....	.....	3.63	+0.03	0.93	3	0	12	.....	.....	.....	.....	Lockmaster
Jane Lew ‡	Lewis	1, 020	24	.....	....	.....	.....	.....	.....	3.79	−0.81	0.77	3	0	13	.....	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3, 210	7	53.7	...	81	10†	29	20	6.47	.....	1.05	7	T.	21	15	2	14	.....	O. C. Hamilton
Mannington, 1 N	Marion	974	46	60.7	+0.3	92	12	30	20	5.42	+1.41	0.94	13	0	18	11	7	13	sw.	James A. Morgan
McMechen Dam 13	Marshall	655	32	.....	.....	.....	.....	.....	.....	3.49	+0.07	0.84	3	0	15	.....	.....	.....	.....	Lockmaster
Middlebourne, 3 SE	Tyler	750	7	60.6	.....	91	11	34	20	3.99	.....	1.15	2	0	13	15	2	14	w.	L. A. Crumrine
Morgantown No. 1	Monongalia	1, 050	72	61.2	−0.9	91	11†	29	8	4.36	+0.66	0.80	13	0	15	12	9	10	sw.	Prof. L. M. Peairs
Morgantown Lock 10	Monongalia	826	26	60.9	.....	92	11	36	20	3.84	−0.23	1.11	3	0	14	14	7	10	s.	Lockmaster
New Cumberland Dam 9	Hancock	671	53	59.9	−0.3	87	11†	35	20	3.90	+0.50	1.63	7	0	12	*15*	*5*	*11*	nw.	C. O. Valentine
New Martinsville	Wetzel	637	54	62.3	−0.7	93	11	35	20	3.82	−0.15	0.80	7	0	13	13	13	5	sw.	Dr. Z. W. Ankrom
Parkersburg WB City	Wood	615	63	62.2	−1.6	91	11	41	20	2.79	−0.59	0.71	2	0	11	7	9	15	nw.	Section Center
Parsons	Tucker	1, 649	49	56.8	−2.0	87	10†	32	20	6.30	+2.17	0.92	3	0	19	9	8	14	nw.	D. A. Oliver
Philippi	Barbour	1, 300	54	.....	.....	.....	.....	.....	.....	6.92	+2.65	2.16	3	0	16	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke ‡	Lewis	1, 050	24	.....	.....	.....	.....	.....	.....	4.69	+0.33	1.08	29	0	14	14	4	13	.....	Mary A. Conrad
Rowlesburg	Preston	1, 375	63	58.9	.....	89	11	35	20	6.47	+1.84	1.15	28	0	13	.....	.....	.....	.....	W. H. Bolyard
Thomas	Tucker	3, 000	19	.....	.....	.....	.....	.....	.....	7.67	+2.42	1.28	14	0	15	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1, 011	24	64.4	+2.8	93	11†	35	20	3.74	−0.15	1.26	3	0	15	9	13	9	w.	Roscoe H. Jackson
Washington Dam 19	Wood	600	31	.....	.....	.....	.....	.....	.....	2.87	−0.55	0.78	3	0	13	.....	.....	.....	.....	Lockmaster
Wellsburg, 3 NE	Brooke	668	55	60.8	+0.6	90	11	33	20†	3.48	+0.28	1.15	7	0	7	16	8	7	.....	George P. Pfister
West Milford ‡	Harrison	979	22	.....	.....	.....	.....	.....	.....	4.80	+0.57	0.68	7	0	17	.....	.....	.....	.....	Scotland G. Highland
Wheeling W'rw'd Dam 12	Ohio	659	64	59.6	−2.2	89	11	39	4†	2.89	−0.21	0.52	3	0	14	9	7	15	sw.	Lockmaster
Means and Extremes		.....	....	**60.1**	.....	**93**	**11†**	**29**	**6†**	**4.65**	.....	**2.16**	**3**	**T.**	**15**	**10**	**8**	**13**	w.	
Southern Division																				
Arbovale	Pocahontas	2, 734	25	.....	.....	.....	.....	.....	.....	5.15	+1.74	0.80	28	0	15	.....	.....	.....	sw.	H. S. Sutton
Athens	Mercer	2, 600	8	59.4	....	83	10†	36	23	2.53	.....	0.80	4	0	14	15	12	4	.....	Concord College
Bluefield No. 1	Mercer	2, 590	53	61.6	0.0	87	11	41	8	2.60	−0.52	0.81	30	0	11	12	10	9	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1, 407	6	63.0	.....	92	11	38	8	2.58	....	0.77	4	0	9	7	12	12	.....	Willard F. Russell
Charleston No. 1	Kanawha	615	61	63.0	−2.4	92	11	41	8†	3.21	−0.57	0.79	2	0	13	13	7	11	.....	W. Va. Water Service Co.
Charleston Kan. Co. A'p't	Kanawha	§950	0	61.8	.....	90	11	39	8†	3.39	.....	0.95	2	0	12	3	15	13	sw.	Civil Aero. Administration
Coalwood	McDowell	1, 450	6	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	W. A. McNees
Cranberry Glades	Pocahontas	3, 400	4	58.2	.....	82	12	28	6	5.96	.....	1.54	7	0	15	4	12	15	n.	Department of Justice
Flat Top	Mercer	3, 270	10	55.4	−2.0	81	11	33	23	3.59	0.00	0.85	1	0	14	5	10	16	nw.	U. S. Airway Station
Gary	McDowell	1, 426	31	62.0	+0.9	90	11	37	8	2.96	−1.01	0.69	7	0	13	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	5	61.0	.....	90	11	34	8	3.19	.....	0.63	3	0	11	17	4	10	.....	W. Va. Water Service Co.
Hinton No. 1	Summers	1, 431	59	63.4	0.0	95	11	38	8	2.14	−1.41	0.78	4	0	11	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington No. 1	Cabell	571	52	64.6	−0.1	91	11	41	8	3.41	−0.56	0.97	29	0	10	12	14	5	nw	H. N. Robinson
Kayford	Kanawha	1, 335	31	.....	.....	.....	.....	.....	.....	4.44	+0.04	1.00	3	0	11	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2, 250	52	59.6[a]	−0.5	86	11	36[a]	23	4.49	+1.13	1.06	2	0	15	*9*	11	11	.....	Prof. H. B. Graybill
Logan	Logan	700	35	64.5	−2.5	92	11	40	8	4.08	−0.03	0.91	2	0	13	16	3	12	.....	J. W. Ruff
London Locks	Kanawha	623	13	61.3	....	90[a]	11	39	8†	3.92	+0.59	1.16	2	0	10	.....	.....	.....	w.	Lockmaster
Madison	Boone	675	27	62.6	−1.2	90	11	37	8	4.34	+0.01	1.06	3	0	11	*10*	16	5	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1, 950	6	59.3[a]	.....	85[a]	10†	40[a]	23	3.96	.....	0.97	1	0	10	.....	.....	.....	.....	M. H. Martin
Pineville	Wyoming	1, 350	6	60.8[a]	.....	91[a]	11	37[a]	8	3.22	.....	0.90	1	0	7	*17*	1	13	.....	Walter C. Byrd
Point Pleasant	Mason	540	58	63.5	−1.2	90	11†	41	8	2.37	−1.62	0.94	7	0	9	14	6	11	sw.	E. C. Winger
Rainelle No. 1	Greenbrier	2, 424	17	57.8[d]	−0.3	88[d]	11	31[d]	20	5.36	+0.89	1.22	2	0	16	*12*	*5*	14	.....	L. G. Swing
Ravenswood Dam 22	Jackson	584	33	62.4	+0.5	88	12†	37	20	2.67	−1.04	0.63	3	0	12	17	6	8	nw.	Lockmaster
Richwood	Nicholas	2, 193	17	55.2[b]	−5.0	86[a]	11	28[b]	20	5.61	+0.91	0.88	3	0	10	10	6	15	.....	Richwood Water Co.
Ripley	Jackson	610	6	62.4[a]	.....	91[a]	11	36[a]	20	3.19	.....	0.78	2	0	11	..	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	49	60.8	−1.2	89	12	37	21	4.67	+1.02	0.92	3	0	15	9	7	*15*	.....	A. M. McKown
Summersville	Nicholas	1, 900	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	900	45	62.1	−1.2	92	10†	34	20	5.44	+1.08	0.94	29	0	15	12	14	5	nw.	C. B. Eakle
Union	Monroe	2, 200	44	59.4	−1.5	87	11	34	6†	3.01	−0.19	0.72	4	0	10	18	1	12	w.	Thelma F. Spangler
Webster Springs	Webster	1, 560	16	60.8	.....	88	10	36	20	4.07	.....	0.92	2	0	12	14	6	11	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1, 914	34	60.2	−0.3	89	11	33	20	5.03	+1.56	1.53	30	0	16	8	6	17	w.	Greenbrier Hotel
Williamson	Mingo	673	47	64.6[b]	−0.4	93	11†	39[d]	8	3.73	−0.35	0.80	22	0	11	16	6	9	ne.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	10	61.8	.....	90	11	40	8	2.95	−0.68	0.64	2	0	12	13	9	9	w.	Lockmaster
Means and Extremes		.....	....	**60.9**	.....	**95**	**11**	**28**	**6†**	**3.80**	.....	**2.07**	**3**	**0**	**11**	**11**	**9**	**11**	w.	
State Averages and	Extremes	.....	....	**60.5**	**−1.2**	**96**	**12**	**28**	**6†**	**4.28**	**+0.27**	**2.26**	**25**	**T.**	**13**	**10**	**9**	**12**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used for deriving State averages. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not Figures and letters after name of station indicate distance in miles and direction from place named. *Italics* interpolated.

Daily Precipitation for May 1948

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Kanawha Division																																	
rd	Potomac	.12	.74	.83	.02	.32	.02	.43	.05				T.	.51	.87		.38	.27	.30										1.15	.94	.01	.78	7.74
ıy Run[2]	do.			.91		.20		.80	.07					.13	T.	.02		.21	.06	T.			.24							.99	.42	3.55
ers Ferry[2]	do.			.98	.05	.57		.79	.15					.31	.35	.08		.24	.19	T.												6.58
od	do.		•	1.20		.28		.72						.25	.27		.32	T.								2.26		T.	T.		.28	.33	6.58
neysville	do.		.23	.97	T.	.35		.85						.51	.33		.24	.20				T.				.67	T.			1.10	.04	4.85
ly Mountain[2]†	do.		T.	1.05		.35		.43	.10					.57	.08	T.		T.	.27	.13						.79	T.		1.00	.45	T.	5.92
nsburg Arpt.[4]	do.	T.	1.01	.17	.27	.03	.02	.61					.05	.52	.17		.32	.02	T.		T.	T.							1.37	.87		5.22
ill, 2 NE†	do.	.07	.44	.27		.26		.58						.47	.18	.45		.25	.38	.23							.43		T.		1.31	.05	4.98
sburg, WB City	do.	T.	.46	.20	.22	.02	T.	.70	T.				.11	.16	.20	.01	.16	.14	.02			.08							1.10	.68			4.15
nont	do.		.26	.60		.35		.57	.01				.08	.03	.18	.03	.15	.12	.06	.04									1.39	.29	.26	.03	4.45
ley	do.	.03	.47	.65	.01	.23		.40					.17	.15	.08		.14	.08	.02										1.51	.59			4.58
e Kuob[2]†	do.	.04	.28	.44	.27	.43	.24		T.					.36	.24	.17	.23	.64	.07	T.	T.								.08	.27			2.78
y River Dam[2]†	do.			1.22	.15			.47	.32					.47	.18	.45		.25	.38	.23								T.	.10	1.87	.51		5.89
ensville[2]	do.		.03	.75		.31		.26	.35					.19	.24			.11	.11	.03			.06				.15		.85	.91	.25		6.13
thern Division																														1.00	.16	3.75
leent	West Fork	.10	.92	1.11	T.	.65		.45						.16	.25	.05	.46	.17	.07				T.						.02	.50	.10		5.01
gton[2]	Tygart		.15	1.34	.09	.44		.25	.23					.27	.07	.24		.20	.35				.49							.21	.08	.16	4.57
ille, Dam 20[2]	Ohio	.02	.12	1.00		.50		.43	.12					.02	T.	.11	.38	.36	.05											.02	.08		3.21
nt	West Fork	.05	.69	.55		.30		.50	.15					.20	.22	.10	.49	.15	.10											.08	.11		3.69
Run	Ohio	.07	.47	.84	.24	.10	.01	.63					.32	.03	.23		.38	.44												.03			3.79
din Creek	West Fork	.19	.76	.39	T.	.64	.16	1.48						T.	.45	.03	.78	.34				.09								.76			6.07
lonville[2]	Cheat		T.	1.10	.08	.36	T.	.25	.56					.14	.30	.24		.59	.21	.10		T.	T.							.80	.42		5.15
nsville†	West Fork	.12	.71	.94		.65		.55	.04					.08	.17	.02	.23	.23	.13				.23							.18	.10		4.38
nannon	Tygart	.18	.73	.42	.01	.53		.62					T.	T.	.14	T.	.19	.65	.04			.38							.20	1.55	.04	.08	5.76
3 S	Litl.Kanawha	.04	.64	.51	.36		.01	.71					.17	.06	.76	.03	.76	.22	.10	.01		.51								.25			5.14
n Valley	Cheat	.07	.62	.89		.42		.82	.36				.04	.13	.35	.20	.28	.48	.12			.52							.19	.18	.50	.78	6.95
sburg No. 1	West Fork	T.	.03	1.18	.02	.34		.35	.23					.07	.14	.45	.10	.47	.20														3.60
sburg Airport	do.	.07	1.34	.08	.43	.02	.28	.47					.03	T.	1.00		.67	.28											.16	.08	.06		4.97
ord	do.	.19	.62	.39		.71		.63					.10	.02	.22	.15	.27	.34	.15			.05							.03	.40		.08	4.35
n[2]	Litl.Kanawha	.05	.17	.68	.01	.36																											§§
[2]†	Tygart	T.	.19	1.09	.02	.25	T.	.38	.37				.01	.01	.08	.07		.45	.23	T.			.05							.05	.25	.31	3.81
, WB Airport[1]‡	do.	.34	.97	.13	.21	.10	.01	.67				T.	T.	.05	.17	T.	.31	.31	.01			.09					T.	T.	.47	.27	.34	.06	4.51
ont	Monongahela.	.16	.62	.11	.34	T.	.08	.40					.25	.05	.39		.50	.12	T.			T.							.05	.11		.27	3.45
lle No. 1	Litl.Kanawha		.16	.85	.01	.53		.43	.22					.19	.10	.33	.12	.17	.21				.10							.05	1.09		4.56
n	Tygart	.07	.61	.85	.05	.58		.61	.05					.08	.59	.04	.64	.16	.05										.75	.13	.03	.04	5.33
sville	Litl.Kanawha	.10	.08	.60		.53	.10	.47	.22					.32	.24	T.	.19	.47	.19				.04							.24	.49		4.28
rs Creek†	West Fork	.18	.70	1.00	T.	.44		.75	T.					T.	.41	.10	.41	.10				.07							.10	.02	.03	4.31
	Tygart	T.	.13	.58	.06	.39	T.	.29	.27					.02	.06	.31	T.	.23	.27				.36							.61	.77	T.	4.35
gs	Ohio	.08	.62	.39	.02	.58	.60	.28	.02					.52	.08	.10	.30	.19	.20										1.70	.03			5.71
Lock 15[2]	Monongahela.		.10	.93	T.	.34		.37	.22					.26	.26	.26	T.	.49	.16			T.							.17	.07			3.63
d	West Fork		.56	1.01		.65		.45	.42						.09	.66	.21						.49						.04		.24	.13	4.95
ew	do.	.06	.73	.77	T.	.51		.57	.05						.24	T.	.49	.19	.04	T.			.02						.07	.05	T.		3.79
ood	Cheat																																
rabow St.For.†	[2]Tygart	.35	.83	.38	.04	.63		1.05	.12				.02	.07	.25	.02	.31	.71	.28	.01		T.	.35				.04		.18	.47	.35	.01	6.47
Floyd	West Fork	.03	.53	1.21	T.	.30		.68	T.				T.	.36	.84	T.	.70	.14	.07			T.							.15		.40	5.41
ington	Monongahela.	.10	.60	.37	.02	.35		.73	.09					.97	.24	.02	.58	.14	.05			.01							.12	.79	.05	.19	5.42
hen, Dam 13[2]	Ohio			.84	.01	.46		.59	.19			.05		.33	.01	.06	.07	.42	.32										.11	.01	.02		3.49
bourne, 3 SE[2]	Middle Is. Crk.		.06	1.15		.36		.50	.23					.40	.06	.23	.31	.27	.34											.04	.04		3.99
le[2]†	Tygart	T.	.25	1.00	.20	.48		.25	.39					.10	.24	.11		.31	.30	.01			.20							.25	.15	.28	4.52
ntown No. 1	Monongahela.	.05	.57	.61	.01	.52	.05	.48	.10					.80	.04		.35	.34	.06			T.							T.	.22	T.	.16	4.36
nt'n, Lock 10[2]	do.		.08	1.11	.08	.49		.34	.21					.37	.20	.03	T.	.40	.33	.01		T.								.08	.11		3.84
re	West Fork	.06	.70	.64		.47		.70						.06	.42		.60	.35	.08			.64							.30	.12	.10	.04	5.28
umb'l'd Dam 9	Ohio		.16	.53	•	.84	.11	1.52	.02	T.	.01		T.	T.	.16		.22	.31	T.											.02			3.90
artinsville	do.	.06	.40	.26	.05	.51	T.	.80			T.			.68	.08	.03	.43	.42	.06										T.	.04	T.		3.82
sburg (City)[1]‡	do.	.07	.71	T.	.47		.23	.35					.03	T.	.30		.46	.12	T.										.01	.04			2.79
s	Cheat	.07	.74	.92	.01	.44		.52	.20				.20	.08	.42	.16	.23	.31	.13			T.	.86						.43	.20	.36	.02	6.30
oi[2]	Tygart	T.	.05	2.16	.10	.47		.25	.41					.06	.88	.14	.06	.51	.22	.02			.68							.25	.66		6.92
ke	West Fork	.15	.83	.24		.73		.37	T.					.01	.40	.05	.20	.35	.18				.10							1.03	.05		4.69
rd†	do.	.08	.61	1.10		.62		.58						.01	.94		.55	.10	.06			.31							.44	.12		.06	5.58
burg[2]	Cheat		T.	1.00	.36	.36	T.	.27	.50						.48	.37		.70	.30	.16										1.15	.77	.05	6.47
	West Fork	.04	•	1.64		.35		.76						.72	.64		.62	.16	T.										.37	.32		.12	5.74
ork	Litl.Kanawha		.83		.03	.67		.76					.02	.01	.30	.03	.22	.21	.15	T.		.10							.05	.47	.04		3.89
ton	West Fork	.05	.37	.54	.11	.19		.68						.27	.59		.55	.08	.02										T.	.10		.35	3.90
s[2]	Cheat		.27	.91	.13	.43	T.	.32	.50					.58	.22	1.28		.46	.76	.15										.81	.31	.54	7.67
Davisson Run	West Fork	.02	.49	1.05	.01	.37		.54	.05					.34	.83	.03	.60	.30	.12											.06		.19	5.00
Chapel	do.	.07	.66	.60		.36	.03	.63	.10					.05	.23		.56	.07	.09				.04							.18	.07		3.74
Head[2]	Tygart	T.	.34	1.08	.04	.48	T.	.57	.30					.06	.05	.25		.62	.29				.39					T.			.68	.50	5.65
int	West Fork	.14	.84	.22	T.	.76		.78							.26	T.	.27	.40	.12			.02							.04	.37	.03	.06	4.31
gton Dam 19[2]	Ohio	.02	.06	.78		.36		.38	.09					.02	T.	.46	.35	.17	.10											.02	.06			2.87
urg, 3 NE	do.		T.	.42		.52		1.15			T.			.15	.16		.29	.79	T.											T.			3.48
ilford	West Fork	.04	.64	.52	.06	.34	.02	.68						.11	.42	.19	.50	.22		.08			.25							.03	.02	.18	4.30
[2]	do.		.18	1.40	.08	.72		.36	.26					.08	.18	.12	.04	.46	.32				.43							T.	.54	T.	5.17
ng (Dam 12)[2]	Ohio			.52		.45		.48	.34			.10		.13	.03	.05	.10	.33	.23			T.							.01	.11	.01		2.89
ern Division																																	
le	Greenbrier	.24	.52	.75	T.	.56	T.	.77					.15		.10		.20	.16	T.			.10					.02		.02	.80	.65	.11	5.15
ld No. 1	New	.24	.14	T.	.15	.65	.01	.45					.06	.10			.03	.05				.08							.08	.18	.31	T.	2.53
ne Dam	do.	.24			.04	.39	.03	.47					.08	.04	.13														.16	.21	.81		2.60
n-on-Gauley[2]	do.		.73	.13		.77		.54	.06					.04				.08	.02											T.	.21	T.	2.58
ton No. 1	Gauley	.03	.44	1.16	.02	.57		.55	.54						.02			.60	.31	.03			.04							.83	.35			5.49
ton Airport	Gr. Kanawha.	.02	.18	.79		.67		.33	.15					.26	.06		.12	.17	.05			T.								.38	.03			3.21
od	do.	.20	.95	T.	.60	T.	.18	.31					.27		.18		.11	.14	T.			.03							.19	.23		T.	3.39
rry Glades	Big Sandy																																
p[4]	Cranberry		.45	.72	.04	.68		1.05	.49					.20	.05		.33	.24	.15				.10							.26	.70	.50	5.96
	New	.85	•	.31	.71	.02	.52	.38					.04	.01	T.		.07	.04											.34	.21	.09		3.59
	Big Sandy	.02	.31	.02		.62		.69	.11					T.	.05		T.	.03					.34							.09	.36	.30	.02	2.96
	Mud	.07	.10	.63		.61		.25	.18					.24				.21		.20									.52		.18		3.19
No. 1	New		.40	.06		.78		.52	.04					.05			.05	.04												.01	.18	.01	2.14
Gallipolis D.	Ohio	T.	.05	.61		.30		.23	.07								.05	.08	.07	.01										.10	.22			1.79
gton No. 1	do.	.17	.52	.17	.42	.10	.04	.35									.13	.54											T.	.97				3.41
[2]	Gr. Kanawha.		.66	1.00		.50	.25	.25	.45							.35			.15					.20					.30		.33		4.44
urg	Greenbrier	.18	.88		.28	.76	.07	.68					.12	.04			.11	.20	.02			.01							.05	.33	.76			4.49
	Guyandot		.42	.91		.83		.28	.17					.63	.02	T.	.08	.36	T.	.11									.01	.25	.01	T.		4.08
Locks[2]†	Gr. Kanawha.	T.	.45	1.16		.50		.27	.26					.02	.05		T.	.45	T.											.60	.16			3.92
n[2]	Coal		.88	1.06		.50		.30	.19					.69	.08		.10	.21												.30	.03			4.34
l	New		.97		.56	.42		.40	.40				•					.31				.10								.44	.36			3.96
le[2]	Guyandot		.90			.59		.43	.30								T.		T.	T.									T.	.10	.80	.10		3.22
leasant[2]	Ohio	.10	.02	.67	T.			.77	.17				T.		.02		.22	.30		T.		T.								.10				2.37
on[2]	New		.34			1.00		.30	.06					.05	.02			.04					.25							.27	.26	.24		2.83
e No. 1	Greenbrier	.18	1.22	.24	.15	.51	.10	1.18	.02					.01	.02		.12	.48	.12				.16						.17		.68			5.36
wood Dam22[2]	Ohio	.05	.29	.63	T.	.21		.22	.11						.04		.20	.36	.14											.02	.40			2.67

Continued on next page.

Daily Precipitation for May 1948—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Tot
Richwood [2]	Gauley	....	.42	.88	....	.51	....	.60	.51	....	....	....	....	....	.07	....	....	.86	.31	....	....	....	.64	....	....	....	....	....	....	....	.81	....	5
Ripley	Ohio	.20	.78	.05	....	.38	....	.42	....	....	....	....	....	.11	.01	....	....	.38	.04	....	....	....	.26	....	....	....	....	....	....	.56	....	....	3
Spencer [2]	Litl.Kanawha	.13	.20	.92	.03	.64	....	.45	.59	....	....	....	....	....	.37	....	....	.06	.34	.04	....	....	....	.22	....	....	....	....	....	.20	.08	.40	4
Summersville [2]	Gauley	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	.16	5
Sutton	Elk	.12	.92	.40	....	.91	....	.52	.08	....	....	....	....	....	.15	.08	.30	.14	.18	....	....	....	.18	....	....	....	....	....	.36	.94	....	.16	5
Union [2]	New	....	.82	.15	....	.72	....	.49	.06	....	....	....	....	.14	....	....	T.	.13	....	....	....	....	....	....	....	....	....	....	....	.19	.20	.61	3
Wayne [2]	Twelvepole	....	.21	.82	.59	.54	....	.04	.30	....	....	....	....	....	....	....	.05	.21	.02	....	....	....	....	....	....	....	....	....	.80	....	.41	....	3
Webster Springs	Elk	.21	.66	.26	....	.54	....	.68	....	....	....	....	T.	....	T.	....	.49	.42	.16	....	....	T	.22	....	....	....	....	....	.10	.30	.03	....	4
White Sulp'r Spgs.	Greenbrier	.12	.57	....	.09	.74	.04	.64	.04	....	....	....	.08	.18	....	....	.13	.03	T.	....	....	....	T.	....	....	....	.22	....	.12	.40	1.53	.10	5
Williamson [2]	Big Sandy	.75	....	.25	....	.48	....	.23	.23	....	....	....	....	.10	....	....	....	.23	....	....	....	....	.80	....	....	....	....	....	.04	.09	.53	....	3
Winfield Locks [2†]	Gr. Kanawha	.02	.04	.64	....	.29	....	.25	.16	....	....	....	....	.36	....	....	.10	.35	....	.12	....	....	....	....	....	....	....	....	T.	.06	.56	....	2

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measu in morning; amount then recorded is for preceding 24 hours. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with record gage. * Included in the next measurement. T. Trace, 0.005 inch or less. ||| Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Bens Kinchloe; Big Skin Creek, Weston· Brownsville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, K ser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony Ri Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont[5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for May 1948

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	M
Athens	Maximum	65	76	74	61	60	65	56	62	80	83	83	77	71	60	69	71	67	65	64	70	75	70	79	78	74	71	74	75	71	70	73	
	Minimum	41	52	54	39	46	38	42	37	39	49	55	53	57	51	42	55	53	45	41	40	53	45	36	47	53	51	55	57	57	58	56	
Bayard	Maximum	58	65	58	64	57	63	60	56	78	81	85	85	71	65	63	63	66	66	60	63	67	60	67	76	68	70	78	76	69	71	73	
	Minimum	40	34	48	40	39	32	39	34	35	44	44	49	54	49	45	42	41	46	39	30	52	36	36	36	36	36	37	46	49	55	57	52
Bluefield No 1	Maximum	66	63	77	64	64	65	57	57	82	85	87	85	72	68	63	73	73	67	67	72	77	76	83	81	76	74	76	76	74	63	65	
	Minimum	46	47	54	51	46	42	43	41	47	53	55	61	58	52	47	54	56	43	42	42	54	47	42	52	57	53	58	61	66	59	60	
Buckhannon	Maximum	58	71	71	68	60	72	63	63	82	84	87	86	78	66	68	64	65	68	65	69	72	66	79	77	74	76	84	82	71	72	72	
	Minimum	39	41	49	43	46	37	43	39	42	54	50	54	59	53	49	52	47	49	38	33	53	40	38	46	43	48	48	59	60	59	48	
Charleston Kanawha County Airport	Maximum	60	80	63	66	67	72	57	67	84	88	90	89	74	65	70	69	67	69	68	73	78	68	82	77	72	76	83	62	62	62	52	
	Minimum	49	49	51	46	48	40	44	39	46	56	57	60	58	51	46	59	54	50	46	39	54	44	41	50	50	51	49	62	62	62	52	
Clarksburg No. 1	Maximum	55	73	56	67	65	74	60	64	83	88	89	88	72	63	68	63	66	69	65	72	74	67	82	76	70	83	88	86	81	77	68	
	Minimum	41	43	47	46	46	40	42	40	42	45	52	56	60	54	50	53	53	51	42	35	43	42	41	48	48	46	51	54	61	59	49	
Cranberry Glades	Maximum	55	53	62	56	55	59	61	61	70	71	80	82	74	68	59	66	61	61	60	59	63	69	69	74	76	68	66	71	69	69	69	
	Minimum	29	43	45	35	37	28	41	31	32	41	39	42	53	41	44	41	46	43	32	41	50	35	29	34	36	47	51	50	53	50	47	
Elkins WB Airport	Maximum	51	73	59	68	56	70	58	60	82	87	86	82	72	61	65	64	63	65	63	66	72	62	72	78	77	69	75	81	77	72	69	
	Minimum	40	45	47	45	44	36	40	39	41	49	47	54	56	51	50	50	50	42	41	32	45	40	36	41	43	44	46	56	59	60	53	
Fairmont	Maximum	55	68	61	70	66	76	61	67	82	87	91	91	75	65	67	61	67	73	68	72	73	67	83	77	75	79	87	85	70	77	69	
	Minimum	42	42	46	44	46	41	44	43	42	49	52	56	60	52	47	52	51	48	43	35	45	41	42	46	47	47	51	61	62	58	51	
Flat Top [4]	Maximum	61	74	56	55	56	63	51	58	76	80	81	73	68	56	66	66	63	60	59	64	72	60	77	78	69	68	69	70	68	66	69	
	Minimum	46	49	41	39	35	35	37	35	35	44	47	49	48	47	42	54	48	43	39	39	46	37	33	44	46	48	53	56	58	56	50	
Gary [3]	Maximum	69	82	65	69	65	75	55	68	86	88	90	83	75	63	75	76	70	69	68	73	80	68	83	80	76	78	80	76	76	74	76	
	Minimum	45	51	61	46	49	39	50	37	41	45	50	53	60	55	45	51	53	43	43	40	42	46	39	49	55	50	53	58	60	62	60	
Glenville No. 1	Maximum	67	75	75	69	65	75	62	67	84	90	90	89	71	67	69	65	68	73	70	73	76	68	83	79	74	78	84	81	71	79	75	
	Minimum	47	45	49	46	49	41	45	42	45	49	52	56	60	55	48	56	54	51	42	37	53	44	41	47	48	47	51	60	62	61	51	
Grafton	Maximum	60	72	71	71	63	76	64	63	82	85	88	87	73	63	68	62	68	68	65	69	76	70	80	77	72	76	85	82	73	75	72	
	Minimum	38	38	50	43	46	40	43	38	38	43	49	53	57	53	50	51	40	47	38	30	47	43	36	43	43	43	47	57	57	57	48	
Huntington No. 1	Maximum	66	80	80	70	69	71	63	70	86	90	91	90	79	70	72	70	72	76	74	77	83	77	84	80	75	78	87	78	74	81	78	
	Minimum	52	53	54	48	47	45	54	41	48	56	56	59	65	56	47	59	54	49	48	42	59	45	45	51	49	46	53	64	62	58	51	
Lewisburg	Maximum	64	70	67	62	64	66	57	64	81	84	86	80	75	66	72	67	70	68	68	71	81	72	80	82	78	70	72	74	73	75	76	
	Minimum	40	53	53	41	41	37	43	38	38	46	49	52	...	52	46	53	51	48	38	37	51	44	36	37	50	57	53	56	57	59	55	
Logan [3]	Maximum	66	85	61	71	70	75	59	72	89	91	92	89	74	67	76	74	74	74	73	77	84	75	87	84	78	77	83	78	78	79	79	
	Minimum	47	52	57	51	49	45	51	40	45	49	56	57	63	58	51	56	55	48	49	44	48	48	43	53	50	49	53	62	62	64	54	
Madison [3]	Maximum	67	82	61	71	65	75	58	74	86	89	90	89	74	65	68	74	70	72	71	75	80	73	84	81	80	77	84	83	76	79	76	
	Minimum	46	51	58	49	43	43	46	37	43	49	54	56	62	57	49	50	53	47	46	42	45	45	41	49	47	50	45	61	62	63	52	
Mannington, 1 N.	Maximum	63	69	72	70	66	75	72	67	83	88	91	92	90	68	68	66	68	72	71	74	76	77	84	83	76	79	88	87	73	80	81	
	Minimum	41	48	51	39	45	35	44	36	36	46	48	52	58	55	45	48	48	46	39	30	49	34	36	40	41	39	48	57	59	55	48	
Martinsburg Municipal Airport	Maximum	66	65	62	62	56	63	58	65	83	88	89	86	76	69	72	64	75	70	68	69	79	68	80	78	75	66	73	79	73	73	77	
	Minimum	44	39	46	45	42	41	48	42	40	61	55	63	56	54	52	54	50	51	49	45	48	46	43	50	51	54	50	54	62	63	60	
Middlebourne, 3 SE	Maximum	57	74	61	68	67	73	63	65	84	89	91	89	70	65	62	69	67	71	67	75	76	67	82	75	73	78	85	80	71	80	72	
	Minimum	43	41	41	40	49	42	55	40	44	51	54	57	63	57	49	51	50	50	42	34	53	39	41	45	43	41	51	60	61	57	48	
Morgantown No. 1	Maximum	62	67	68	69	65	76	67	67	82	85	91	91	76	62	72	65	66	70	69	73	76	71	85	80	74	79	87	87	71	77	64	
	Minimum	46	40	39	45	47	42	47	29	43	42	54	58	60	52	50	58	52	51	46	35	58	40	48	47	44	45	53	63	62	56	52	
New Martinsville	Maximum	63	71	65	69	70	75	65	69	84	90	93	92	86	67	68	72	68	75	71	77	82	72	85	77	75	80	88	82	75	82	74	
	Minimum	44	44	55	39	48	43	46	38	43	50	54	58	63	57	50	53	50	51	43	35	53	38	42	45	42	41	50	60	62	54	49	
Parkersburg WB City	Maximum	58	75	68	69	66	72	60	67	83	88	91	89	68	65	68	71	68	70	67	75	78	68	82	72	70	75	84	76	70	77	72	
	Minimum	50	46	52	45	46	43	44	41	51	63	59	60	60	55	51	59	55	51	47	41	53	43	45	49	47	47	55	64	62	55	50	
Petersburg WB City	Maximum	62	63	64	70	62	66	67	65	88	91	92	86	80	72	73	69	73	69	68	73	77	69	84	86	75	70	78	82	73	71	77	
	Minimum	44	40	49	43	46	40	43	43	45	58	51	64	60	53	47	55	51	51	43	38	50	44	40	47	47	46	52	56	63	62	57	
Point Pleasant	Maximum	67	75	77	68	68	70	70	67	83	82	90	90	76	67	72	70	70	72	69	75	79	77	83	80	73	75	84	82	75	78	76	
	Minimum	51	48	55	46	46	44	54	41	50	53	52	59	64	57	48	59	55	51	45	42	61	44	45	50	49	46	53	64	62	51	50	
Ralnelle No. 1	Maximum	62	73	68	61	61	66	55	66	83	87	88	86	83	66	71	79	65	65	65	70	76	69	83	80	....	....	....	....	75	....	72	74	
	Minimum	35	48	47	49	42	33	39	36	33	38	43	43	46	46	44	46	45	46	35	31	44	43	58	43	....	....	....	....	44	....	60	55	
Spencer	Maximum	57	76	65	67	66	71	57	67	83	85	88	89	88	70	63	69	68	60	72	69	72	77	68	80	76	71	77	82	79	69	78	
	Minimum	40	45	56	44	46	41	53	41	46	51	52	57	58	57	54	46	52	53	49	40	37	42	43	41	50	48	45	49	54	61	59	
Summersville [3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	
Sutton	Maximum	70	77	77	63	65	70	70	66	87	92	92	90	81	76	70	70	69	70	70	74	76	76	85	85	80	80	85	85	80	75	75	
	Minimum	40	40	53	46	49	41	46	43	42	46	50	54	57	54	49	51	50	47	41	34	43	42	40	45	44	45	50	56	58	60	52	
Wardensville [3]	Maximum	62	66	65	65	64	65	58	55	82	89	90	87	78	67	71	67	73	70	68	71	76	76	83	82	74	64	76	84	70	75	71	
	Minimum	40	37	51	42	46	46	48	42	38	54	51	54	62	56	47	52	49	49	42	34	47	44	37	45	45	47	52	53	60	58	59	
Wheeling Warwood Dam 12 [3]	Maximum	61	64	69	68	67	75	62	63	79	83	89	82	70	65	69	72	65	69	66	74	78	67	81	71	71	75	85	80	74	78	73	
	Minimum	45	43	44	39	41	43	45	39	39	47	58	59	61	55	49	50	52	52	46	39	41	39	45	43	40	41	45	51	62	52	49	
White Sulphur Spgs.	Maximum	65	73	73	64	64	66	57	64	85	88	89	81	76	74	73	69	68	70	69	74	79	75	84	83	81	73	74	75	75	64	77	
	Minimum	38	53	50	40	48	36	47	41	34	42	45	49	62	55	43	50	48	51	38	33	51	47	35	48	49	50	55	56	53	56	50	
Williamson [3]	Maximum	66	85	62	73	72	75	60	74	87	92	93	93	74	67	78	74	73	74	74	78	84	76	87	82	78	80	88	79	75	80	78	
	Minimum	....	....	....	....	52	45	53	39	44	46	53	57	64	58	50	52	55	56	46	44	43	47	43	50	50	49	52	58	63	64	53	

Daily Evaporation (inches) and Wind Movement (miles) for May 1948

Clarksburg No 1	Evaporation	.130	.002	.108	.012	.094	.078	.038	.224	.184	.196	.182	.175	.189	.109	.071	.101	.007	.129	.218	.192	.081	.268	.169	.214	.181	.163	.152	.174	.102	.133	.015	
	Wind movement	106	8	79	65	98	95	53	181	128	65	62	24	43	68	79	28	38	119	128	82	80	140	47	53	62	64	43	36	48	30	46	
Wardensville	Evaporation	.164	.054	.019	.016	.054	.114	.201	.146	.294	.294	.277	.190	.320	.026	.257	.138	.067	.238	.157	.171	.450	.242	....	.241	.228	.077	.081	.091	.166	.128	.074	
	Wind movement	77	29	31	46	45	47	56	102	63	63	22	42	35	22	40	40	10	83	47	76	66	79	35	36	19	17	7	20	32	8	7	

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—10-4-48—1050)

OCT 2 - 1948

U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN

PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LVI JUNE 1948 No. 6

GENERAL SUMMARY

An unusual feature of this month's weather was that the mean temperature, 69.8°, averaged exactly normal. Many of the nights were rather cool during the first three weeks. After the 21st, the weather rapidly warmed up, becoming very hot in many places on the 23d, exceeding 100° at some places for the first time this year.

Precipitation for the month averaged 4.88 inches or 0.42 inch above normal. In the northeastern panhandle division, it was slightly below normal but adequate. In the northern division, the rainfall averaged nearly an inch in excess of normal while the southern division was accumulating about one-half inch of excess. Thunderstorms were extremely numerous all month. Hail damage seemed to be slight. According to reports received, on the 19th, a tornado or very strong winds struck the Bismark section of Grant County. The storm moved east through the Stony River region and hit the Bismark community a hard blow. Storm damage began between Bayard and Thomas. Considerable damage was done to farm buildings and some livestock was killed. Much timber was blown down, some of which obstructed the highways. After leaving the Bismark community, the storm dipped down the mountainside and damaged buildings at Geiser Place and then disappeared.

On the 24th at Elizabeth, a man was critically injured when struck by lightning while working on his car at his home. On the same date, at Parkersburg, a short, intense thunderstorm with high, gusty winds caused several high tension wires to fall, one of which fell on a truck. A young man who attempted to move the truck was killed when he touched the door handle.

The weather was very favorable for the growing and maturing of the small grain and hay crops. However, cool nights were rather unfavorable to corn, soybeans, tomatoes, melons and other warm-season crops. Much hay was made during the month and some wheat was being cut at the close.—C. L. W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 70 stations, was 69.8°, or exactly normal. The mean for the northeastern panhandle division was 69.8°; for the northern division, 69.4°; and for the southern division, 70.2°. The highest monthly mean was 74.4° at Huntington; and the lowest, 61.6° at Cranberry Glades. The highest temperature was 101° at Brownsville on the 23d; and the lowest, 33° at Canaan Valley on the 17th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 107 stations, was 4.88 inches, or 0.42 inch above the normal. In the northeastern panhandle division, the average was 3.71 inches; in the northern division, 5.56 inches; and in the southern division, 4.72 inches. The greatest monthly precipitation was 8.10 inches at Morgantown, and the least, 2.10 inches at Hamlin. The greatest amount in any 24 consecutive hours was 3.57 inches at Sutton on the 6-7th. No snowfall was reported. The average number of days with 0.01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	7	2	1	2	..	8	1	1	..	10	4	1	1	17	3	2	13	..	..	..	11	..	1	2	2	..	2	2	1	..	..
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	1	1	..	1	12	3	12	..	..	..	4	3	..	1	..	..	..	2	..	..	21	..	16	..	1	..	1	11	3	..
Hail	..	..	3	..	..	1	3	6	..	..	..	..	..	..	1	..	..	..	3	..	..	..	..	1	..	..	..	..	1	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	1	6	4	..	1	31	28	27	8	..	3	14	18	..	11	9	..	8	17	7	..	23	18	37	1	7	22	9	13	7	..

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m.	Percentage of Sunshine	Degree days
Columbus, O. (City)	30.20*	1*	29.50*	8*	8.9	43	sw.	29	81	52	59	72	3
Elkins (Airport)	30.14	23	29.55	8	5.8	39	w.	24	91	63	74	64	49
Huntington (Airpt)	30.19	1	29.58	8	.....	18	sw.	29	84	51	67	....	4
Parkersburg (City)	30.19	1	29.53	8	5.8	26	nw.	8	84*	54*	67*	59	8
Petersburg (City)	30.17	18	29.53	8	.....	35	nw.	24	87	56	70	....	13
Pittsb'gh, Pa (Arpt)	30.15	1	29.50	8	8.8	36	sw.	29	79	51	64	52	11

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR JUNE

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall, unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	71.2	.....	.....	3.40	5.40	4.97	5.02	0	.....	.....	.....	.....
1892	74.1	99	41	4.30	3.85	3.77	3.90	0	.....	.....	.....	.....
1893	70.2	99	40	2.06	3.51	4.87	3.81	0	10	13	10	7
1894	70.4	103	32	4.18	3.24	3.25	3.27	0	8	16	10	4
1895	72.1	102	38	3.84	3.01	2.81	2.92	0	7	15	10	5
1896	69.8	95	30	5.40	3.29	4.56	5.35	0	10	8	14	8
1897	69.3	96	35	2.42	4.93	4.79	4.31	0	10	12	12	6
1898	70.9	99	41	1.34	3.35	3.77	3.21	0	10	14	11	5
1899	72.0	98	35	3.47	5.77	4.64	4.99	0	11	14	9	7
1900	71.2	98	41	4.09	5.03	6.10	5.30	0	13	9	12	9
1901	70.7	104	32	3.41	5.23	7.54	5.67	0	13	12	12	6
1902	68.0	100	33	3.53	5.44	5.54	5.19	0	12	11	13	6
1903	65.1	93	34	5.23	5.48	4.09	4.80	0	13	8	11	11
1904	69.5	97	36	4.61	3.97	4.28	4.20	0	13	10	13	7
1905	70.6	100	34	5.93	4.26	4.07	4.38	0	11	13	11	6
1906	70.9	101	38	5.21	5.55	4.98	5.25	0	14	11	12	7
1907	65.3	97	33	5.62	5.13	6.96	6.00	0	14	10	11	9
1908	69.2	98	36	2.67	2.87	3.54	3.12	0	9	15	10	5
1909	71.1	101	35	5.85	6.08	5.34	5.75	0	16	9	13	8
1910	66.6	96	32	7.67	4.46	6.39	5.67	0	13	10	10	10
1911	70.7	101	40	4.53	4.63	4.16	4.44	0	11	14	10	6
1912	67.3	95	29	3.49	4.55	4.28	4.27	0	11	13	10	7
1913	69.5	99	29	3.32	3.23	3.70	3.44	0	9	18	8	4
1914	72.0	100	30	3.12	3.63	2.03	3.00	0	8	15	11	4
1915	67.7	95	33	4.39	3.41	3.70	3.63	0	9	15	8	7
1916	65.8	94	35	4.96	5.77	5.14	5.42	0	12	14	8	8
1917	67.7	99	31	2.45	4.32	3.74	3.81	0	12	14	9	7
1918	68.2	99	34	3.47	3.34	5.17	4.17	0	8	16	7	7
1919	73.0	100	40	4.11	4.79	5.54	5.06	0	10	16	8	6
1920	67.9	98	36	4.71	5.26	4.90	5.01	0	12	13	7	10
1921	72.4	101	38	2.36	4.71	3.82	4.01	0	9	15	9	6
1922	70.7	97	33	3.05	5.41	4.51	4.66	0	11	12	9	9
1923	70.2	102	35	3.10	5.36	4.11	4.54	0	11	16	7	7
1924	68.7	98	32	3.86	4.37	5.43	4.67	0	13	13	8	9
1925	72.2	109	35	3.23	4.50	2.98	3.51	0	9	16	8	6
1926	65.9	95	31	3.24	4.40	3.23	3.85	0	11	13	8	9
1927	65.7	99	29	4.16	4.15	3.95	4.08	0	11	12	8	10
1928	66.7	96	33	6.82	7.36	7.58	7.37	0	19	7	9	14
1929	68.2	100	28	3.68	3.28	3.74	3.50	0	8	16	9	5
1930	68.9	105	27	3.40	3.39	1.77	2.87	0	7	17	8	5
1931	69.8	105	33	2.70	3.82	2.67	3.24	0	9	16	9	5
1932	70.1	99	29	3.71	3.91	5.46	4.46	0	11	14	8	8
1933	71.4	104	28	2.62	2.73	2.82	2.75	0	7	18	9	3
1934	74.3	106	41	2.94	3.88	3.07	3.45	0	9	17	8	5
1935	68.4	98	32	3.73	5.69	5.11	5.20	0	14	11	11	8
1936	70.5	105	32	3.69	2.61	1.62	2.41	0	7	17	8	5
1937	70.8	101	40	4.25	5.80	4.31	5.03	0	13	12	11	7
1938	67.8	97	28	5.71	6.31	5.39	5.69	0	14	10	11	9
1939	72.7	101	33	5.91	7.32	4.50	6.23	0	14	12	10	8
1940	70.3	98	31	3.76	6.24	6.50	5.97	0	17	8	14	8
1941	70.1	101	31	4.80	7.35	4.53	6.03	0	14	11	10	9
1942	71.4	99	35	4.16	5.38	5.32	5.17	0	14	9	13	8
1943	75.0	102	42	2.69	3.36	4.42	3.64	0	10	15	11	4
1944	71.9	103	28	2.91	5.61	2.90	4.19	0	11	13	11	6
1945	68.3	102	22	3.51	4.05	3.62	3.82	0	11	12	10	8
1946	69.0	92	29	4.39	6.34	4.50	5.27	0	11	12	10	8
1947	68.3	100	31	2.86	4.14	3.89	3.80	0	10	11	10	9
1948	69.8	101	33	3.71	5.56	4.72	4.88	0	14	9	14	7
Period	69.8	109	22	3.89	4.65	4.39	4.46	0	11	13	10	7

Climatological Data for June 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2 370	45	63.6	+0.1	87	29	36	17	5.06	−0.07	1.23	7	0	16	12	14	4	w.	Howard R. Fulk
Harpers Ferry	Jefferson	400	59	.....	.....	.....	.....	.....	.....	3.27	−0.28	0.64	20	0	14	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	15	72.2	+1.0	97	24	43	6	2.68	−1.20	0.75	13	0	11	1	24	5	w.	H. W. Prettyman
Kearneysville	Jefferson	548	18	71.2	−0.7	97	24	43	6	3.60	−0.03	0.84	30	0	11	6	20	4	n.	University Exper. Station
Martinsburg Mun. A'rp't.	Berkeley	540	56	70.7	−0.3	93	24†	44	6	2.89	−1.25	0.83	19	0	14	1	19	10	s.	Civil Aero. Administration
McNeill, 2 NE	Hardy	800	14	69.7	+1.9	96	27	43[b]	10	3.25	−0.35	0.69	6	0	11	11	14	5	w.	R. E. Saville
Petersburg WB City	Grant	1, 029	9	70.6	.....	95	27	47	17	2.85	.....	0.80	16	0	15	2	9	19	nw.	U. S. Weather Bureau
Piedmont	Mineral	1, 053	34	70.0	+1.9	94	29	45	17	4.70	+0.70	1.13	16	0	15	9	18	3	w.	C. A. Suter, Jr.
Romney	Hampshire	824	47	69.9	0.0	93	27†	41	10	2.82	−1.00	0.72	13	0	16	7	16	7	.....	Marion W. Haines
Spruce Knob	Pendleton	4, 550	16	.....	.....	.....	.....	.....	.....	4.96	+0.33	1.49	16	0	10	13	.....	.....	..	Moses R. Bennet
Stony River Dam	Grant	3, 300	28	.....	..	.....	.....	.....	.....	4 67	+0.65	1.16	13	0	14	2	9	19	w.	Fred Becker
Wardensville R.M. Farm	Hardy	1, 200	30	69.4	+3.9	94	29	44	17	3.34	+0.34	0.78	23	0	17	22	8	0	nw	Heymann Memorial Farm
Means and Extremes	.....	.....	....	**69.8**	.....	**97**	**24**	**36**	**17**	**3.71**	.....	**1.50**	**22**	**0**	**14**	**7**	**15**	**8**	w.	
Northern Division																				
Aberdeen	Upshur	1, 060	24	.....	.....	.....	.....	.....	.....	5.50	+1.14	1.67	7	0	12	3	24	3	w.	L. Esle Bond
Belleville Dam 20	Wood	600	31	.....	.....	.....	.....	.....	.....	3.73	−0.26	0.98	13	0	13	.....	.....	.....	.....	Lockmaster
Benson	Harrison	1, 080	23	71.2	+3.0	93	22	42	1	4.86	+0.55	1.05	7†	0	15	11	18	1	.....	R. D. Marts
Bens Run	Pleasants	652	47	73.0	+2.2	96	23	43	1	4.77	+0.55	1.22	6	0	11	17	*12*	1	.....	Mrs. C. W. Rea
Brandonville	Preston	1, 798	7	64.6	.....	89	29	38	17	6.68	+1.80	0.76	23	0	15	.....	.....	.....	..	James I. Galloway
Brownsville‡	Lewis	1, 032	24	71.6	+2.1	101	23	42	2	6.27	+1.96	1.60	13	0	11	9	19	2	s.	M. D. Hawkins
Buckhannon	Upshur	1, 459	57	68.4	+0.0	90	22	44	1†	6.40	+1.69	2.19	7	0	14	4	25	1	w.	Prof. Arthur B. Gould
Cairo, 3 S	Ritchie	680	42	70.8	+0.5	95	27	41	1	3.80	−0.71	1.13	13	0	10	10	9	11	.....	Eureka Pipe Line Co
Canaan Valley	Tucker	3, 250	4	62.0	.....	84	23†	33	17	5.11	.....	0.94	13	0	16	2	25	3	w.	George B. Thompson
Clarksburg Ben'd'm Field	Harrison	1, 015	25	68.4	.....	90	23	42	1†	5.75	.....	1.16	6	0	16	1	20	9	s.	U. S. Airway Station
Clarksburg No. 1	Harrison	1, 184	8	69.6	+0.2	91	23†	45	1†	5.25	+0.99	2.10	7	0	12	10	15	5	w.	Clarksburg Water Board
Creston	Wirt	656	47	.....	.....	.....	.....	.....	.....	5.33	+0.95	1.82	7	0	10	.....	.....	.....	.....	Nellie B. Arthur
Elkins WB Airport	Randolph	2, 006	49	66.4	+0.8	87	28	43	2	6.00	+0.94	1.85	14	0	18	6	16	14	nw.	U. S. Weather Bureau
Fairmont	Marion	1, 023	56	70.4	+0.1	93	22†	45	2	3.42	−0.99	1.17	7	0	13	2	*17*	*11*	sw.	Monongahela Power Co.
Glenville No. 1	Gilmer	780	60	71.4	+0.3	91	23	45	1	6.95	+2.56	1.72	6	0	14	4	15	11	w.	Fred W. Welis
Grafton	Taylor	1, 100	54	68.6	−0.5	91	29	43	2	6.82	+2.69	1.39	29	0	19	9	20	1	sw.	William D. Myers
Grantsville	Calhoun	730	3	71.9	.....	93	23†	44	1	6 34	.....	1.45	27	0	10	8	14	8		Hope Natural Gas Co.
Hastings‡	Wetzel	809	13	.....	.....	.....	.....	.....	.....	5.24	−0.38	1.61	7	0	19	6	22	2	w.	L. G. McIntyre
Hoult Lock 15	Marion	882	26	.....	.....	.....	.....	.....	.....	5.15	+1.16	1.71	7	0	16	...	.....	.....	.....	Lockmaster
Jane Lew‡	Lewis	1, 020	24	.....	.....	.....	.....	.....	.....	5.81	+1.74	1.17	7	0	15	..	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3, 210	7	61.9	.....	84	22	36	1	5.66	.....	1.20	13	0	18	21	4	5	..	O. C. Hamilton
Mannington, 1 N	Marion	974	46	70.1	+2.3	93	27†	40	1	5.00	+0.72	1.35	7	0	20	10	14	6	w.	James A. Morgan
McMechen Dam 13	Marshall	655	32	.....	.....	.....	.....	.....	.....	3.08	−0.75	0.64	30	0	15	..	...	.....	.....	Lockmaster
Middlebourne, 3 SE	Tyler	750	7	70.4	.....	94	29	40	1†	4.67	.....	1.25	30	0	14	10	*13*	7	sw.	L. A. Crumrine
Morgantown No. 1	Monongalia	1, 050	72	70.3	+1.0	93	29	45	17	8.10	+3.86	1.31	29	0	19	10	16	4	nw.	Prof. L. M. Peairs
Morgantown Lock 10	Monongalia	826	26	70.0	.....	92	29	42	1	6.74	+2.40	1.55	30	0	18	18	5	7	s.	Lockmaster
New Cumberland Dam 9	Hancock	671	53	69.2	+1.0	95	23	42	1	6.55	+2.00	1.49	7	0	18	16	3	11	nw.	C. O. Valentine
New Martinsville	Wetzel	687	54	72.1	+1.0	94	27†	41	1	5.68	+1.57	1.57	27	0	15	11	17	2	sw.	Dr. Z. W. Ankrom
Parkersburg WB City	Wood	615	63	72.2	+0.8	94	23	43	1	4.66	+0.66	1.06	6	0	15	2	15	13	nw.	Section Center
Parkersburg Airport	Wood	839	0	71 2	.....	94	23	43	1	5.08	.....	1.15	6	0	16	4	15	11	s.	Civil Aero. Administration
Parsons	Tucker	1, 649	49	68.0	+1.1	90	28†	44	2†	5.43	+0.44	1.43	7	0	15	4	14	12	nw.	D. A. Oliver
Philippi	Barbour	1, 300	54	.....	.....	.....	.....	.....	.....	5.95	+1.26	1.62	7	0	17	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1, 050	24	.....	.....	.....	.....	.....	.....	7.74	+3.43	1.98	7	0	11	10	12	8	....	Mary A. Conrad
Rowlesburg	Preston	1, 375	63	68.2	.....	91	29	46	2†	6 42	+1.05	1.37	13	0	18	.....	.....	.....	ne.	W. H. Bolyard
Thomas	Tucker	3, 000	19	.....	.....	.....	.....	.....	.....	4.91	−0.20	0.91	7	0	15	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1, 011	24	71.9	+2.3	94	22†	43	1	5.22	+1.47	1.31	30	0	15	8	19	3	w.	Roscoe H. Jackson
Washington Dam 19	Wood	600	31	.....	.....	.....	.....	.....	.....	3.90	−0.02	0.94	13	0	12	.....	.....	.....	.....	Lockmaster
Wellsburg, 3 NE	Brooke	668	55	69.4	+1.4	94	23	36	1	6.40	+2.26	1.93	12	0	14	12	12	6	.....	George P. Pfister
West Milford‡	Harrison	979	22	.....	.....	.....	.....	.....	.....	4.89	+0.62	1.36	29	0	13	.....	.....	.....	.....	Scotland G. Highland
Wheeling W'rw'd Dam 12	Ohio	659	64	70.4[a]	−0.2	92[b]	27	42	1	2.96	−0.93	0.50	30	0	15	8	14	8	sw.	Lockmaster
Means and Extremes	.....	.....	....	**69.4**	.....	**101**	**23**	**33**	**17**	**5.56**	.....	**2.54**	**29**	**0**	**15**	**8**	**15**	**7**	w.	
Southern Division																				
Arbovale	Pocahontas	2, 734	25	.....	.....	.....	.....	.....	.....	5.52	+1.77	2.20	22	0	12	9	17	4	w.	H. S. Sutton
Athens	Mercer	2, 600	8	67.1	.....	86	21†	43	2†	4.64	....	1.25	16	0	15	16	11	8	.....	Concord College
Bluefield No. 1	Mercer	2, 590	53	70.1	0.0	89	21†	46	10	3.97	−0.26	1.15	16	0	10	15	10	5	.....	Norfolk & Western Ry.
Bluestone Dam	Summers	1, 407	6	72.4	.....	95	26†	48	2	4.89	....	0.96	16	0	16	11	14	5	.....	Willard F. Russell
Charleston No. 1	Kanawha	615	61	72.8	−0.3	94	21†	49	1†	3.25	−1.14	0.98	22	0	11	17	9	4	.....	W. Va. Water Service Co.
Charleston Kan. Co. A'p't	Kanawha	§950	0	71.6	.....	91	6†	45	1	3.89	.....	0.84	7	0	14	3	14	13	sw.	Civil Aero. Administration
Coalwood	McDowell	1, 450	6	71.2	.....	94	21	43	2	8.62	.....	1.47	16	0	15	10	16	4	e.	W. A. McNees
Cranberry Glades	Pocahontas	3, 400	4	61.6	.....	83	29	37	6	4.30	.....	1.06	7	0	17	3	21	6	e.	Department of Justice
Flat Top	Mercer	3, 270	10	64.4	−0.6	84	21	44	10	6.11	+0.95	1.48	18	0	18	7	11	12	nw.	U. S. Airway Station
Gary	McDowell	1, 426	31	70.2	+0.9	91	21	45	2	5.27	+0.20	1.01	16	0	13	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	5	71.2	.....	94	23	41	1	2.10	.....	0.69	16	0	7	.....	.....	.....	.....	W. Va. Water Service Co.
Hinton No. 1	Summers	1, 431	59	72.8	+2.3	96	21	47	2	5 63	+1.33	0.98	16	0	16	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington No.1	Cabell	571	52	74.4	+1.5	94	23	45	1	2.74	−1.49	0.99	7	0	10	11	18	1	nw.	H. N. Robinson
Kayford	Kanawha	1, 335	31	.....	.....	.....	.....	.....	.....	4.45	.....	1.50	7	0	7	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2, 250	52	68.2	+1.0	89[a]	27	42	1	4.83	+0.89	1.06	8	0	15	14	12	4	.....	Prof. H. B. Graybill
Logan	Logan	700	35	73.8	+0.2	96	23	48	2	6.10	+1.21	1.46	16	0	12	13	7	10	. ..	J. W. Ruff
London Locks	Kanawha	623	13	72.0	−1.3	94	23	48	2†	3.21	−1.09	0.92	6	0	11	...	.....	.....	se.	Lockmaster
Madison	Boone	675	27	72.6	+0.3	93	23	47	2	6.88	+2.72	2.44	7	0	11	18	3	9	....	W. Va. Water Service Co.
Oak Hill	Fayette	1, 950	6	69.2	.....	89	29	46	2†	4.42	.....	1.00	7	0	12	12	7	11	.....	M. H. Martin
Pineville	Wyoming	1, 350	6	70.1	.....	92	21†	45	1	5.60	...	1.61	7	0	12	.....	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	540	58	74 1	+1.7	94	23†	44	1	3.28	−0.80	0.68	29	0	12	11	11	8	w.	E. C. Winger
Prince No. 1	Greenbrier	2, 424	17	69.8	+4.3	91	21	40	2	4.10	−1.00	0.95	18	0	17	9	10	11	.....	L. G. Swing
Ravenswood Dam 22	Jackson	584	33	71.8	+1.3	91	23	40	1	3.78	−0.36	0.77	7	0	11	11	14	5	sw.	Lockmaster
Richwood	Nicholas	2, 193	17	65.8	−2.6	89	23†	40	2	4.99	−0.10	1.66	30	0	13	16	6	8	.....	Richwood Water Co.
Ripley	Jackson	610	6	71.8	.....	94	23	40	1	4.89	.....	1.48	7	0	14	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	49	67.8	−2.4	90	23	43	1	2.77	−1.74	0.69	16	0	9	9	16	5	.....	A. M. McKown
Summersville	Nicholas	1, 900	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	900	45	71.5	+0.2	93	23†	45	2	5.54	+0.58	3.57	7	0	9	.....	.....	.....	.....	C. B. Eakle
Union	Monroe	2, 200	44	67.4	−0.4	89	27	43	10	6.89	+2 90	1.30	16†	0	18	18	3	9	w.	Thelma F. Spangler
Webster Springs	Webster	1, 560	16	69.2	.....	90	27	45	2	5.43	.....	1.34	7	0	14	18	7	5	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1, 914	34	68.2	+0.2	90	24†	40	12	4.24	+0.26	0.75	6	0	15	3	17	10	w.	Greenbrier Hotel
Williamson	Mingo	673	47	73.6	+1.0	96	23	47	2	5.52	+0.75	1.58	7	0	12	17	10	3	n.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	10	72.4	.....	93	28	44	1	2.86	−1.39	0.75	16	0	12	16	8	6	w.	Lockmaster
Means and Extremes	.....	.....	...	70.2	.....	96	23	37	6	4.72	.....	3.57	7	0	13	12	11	7	w.	
State Averages and Extremes	.....	.....	....	**60.8**	**+0.0**	**101**	**28**	**33**	**17**	**4.88**	**+0.42**	**3.57**	**7**	**0**	**14**	**9**	**14**	**7**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. *Italics* interpolated.

Daily Precipitation for June 1948

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.02				.10	T.	1.23	.34	.19			.02	1.05			.66		.08	T.	.33		.31	.08	.14	.12		T.		07	.32		5.06
Brushy Run[2]	do.							.37	.04	.10				.17		.23	.34	.42		.18				.09		.23			.08	.79			3.34
Harpers Ferry[2]	do.				.29			.13	.18	T.			T.	.50	T.	.05	.37	.50		.05	.64			.12		.13		.10	.05		.16		3.27
Inwood	do.				.14	.01		.28						.75		.12	.37				.66				.03		.10	.15			.07		2.68
Kearneysville	do.			T.	.14			.16	T.	T.				.73	.02	.11	.51	T.			.83		T.		.06			.10	.10		.84		3.60
Knobly Mountain[2]†	do.	.03						.42		.21			.16	.45	T.		.35	.25		.03	.30			.67	1.07	.08	T.	.13			.85		5.00
Martinsburg Arpt.[4]	do.			.10		T.	.03	.19	T.	.01			.53	.11	T.	.03	.36		.03	.83	.04		T.	T.	.12		T.	.09		.42			2.89
McNeill, 2 NE†	do.				T.		.69	T.	.20	.03				.49			.53			.04	.25		.63	.14	T.			T.		.09	.16		3.25
Petersburg, WB City	do.			T.		T.	.53	.05	.07	.03			.15	.24		T.	.80		.11	.08	T.		.26	.25	.01		.02	.02		.23	T.		2.85
Piedmont	do.	.05				.01		.61	.64				.15				1.13		.10	.14	.46		.32	.25	.22	.20	.28				.14		4.70
Romney	do.	.01			.03			.22	.09	.13			.03	.72			.45			.03	.47		.05	.14	.21	.01					.11		2.82
Spruce Knob[3]†	do.	.14					T.	.39	.47	.34				.32	.21		1.07	.42							.02	.47	.02		.37		.72		4.96
Stoney River Dam[2]†	do.	.57					.23	.33	.20	.37	.05			.96	.20		.38	.32		.18					.28	.29					.31		4.67
Wardensville[3]	do.				.04	.05	T.	.54	.02	.06				.43	.07	.02	.27	.30		.03	.10			.12	.78	T.		.11	.31		.09		3.34
Northern Division																																	
Aberdeen†	West Fork					.06		1.67	.23	.38				1.38			.21		T.					.14	.45	.30	T.	.04		.38	.26		5.50
Belington[2]	Tygart	.09				.05	1.36	.28	.32					1.00	.18		.68	.28		.06	.02			.05	.34	.82	.15		.05		.52		6.25
Belleville, Dam 20[2]	Ohio					T.	.78	.65	.03					.98			.55	.02			.08			.02	.02	.21	.02		T.	.15	.22		3.73
Beusou†	West Fork				.03		1.05	.12	.04					1.05		.02	.24				.05			.15	.76	.12		.02	.15	.16	.90		4.86
Bens Run	Ohio				.03	1.22	.24	.68						.75			.10		T.					.60		.20	.61		.18	.16		4.77
Big Skin Creek	West Fork				.04	.05	.18	1.01	1.06	.40	.03			1.70		.35								.21	.08					.62		5.73
Bruceton Mills[2]	Cheat	.28				.12	T.	.72	.46	.62	.06		.10	.74			.71		T.	.31	.35			.76	T.	.52	T.		.21		.72		6.68
Brownsville†	West Fork					.09		1.46	.67	.07				1.60			.25								.37	.21		.08		1.28	.19		6.27
Buckhannon	Tygart	.01			T.	.08	.12	2.07	.36	.04				1.73	T.	T.	.33	T.	T.	T.		.01		.56	.25			.08		.25	.51		6.40
Cairo, 3 S	Litl. Kanawha					.43	1.08	.08						1.13			.07				.33			.11	.09		T.		.39	.09		3.80
Canaan Valley	Cheat	.04				.08		.60	.25	.30				.94			.82		.10		.10		.45	.45	.16	.05	.02		.59	.16		5.11
Clarksburg No. 1	West Fork	.18	.2					2.10	.30	.28			T.	.74	.14		.17			.02						.80			.02		.49		5.26
Clarksburg Airport	do.					T.	1.16	.32	.24	.01		.10	.71	.26		.03	.28		.10	T.			.16	.29	.44		T.	.06		1.12	.47		5.75
Crawford	do.						.10	1.70	.95	.16				2.58			.50		.01		.01			1.04	.34	.08		.09		.26	.24		8.06
Creston[2]	Litl. Kanawha						T.	1.54	.28	.03	T.			1.00			.65	T.		.02	.29	T.			T.	.28			.66		.58		5.33
Dailey[2]†	Tygart	.06					.04	.52	.50	.33	T.			1.62	.09	.01	.70	.38		.05	.02			.03	.08	.28			.04		.18		4.93
Elkins, WB Airport[1]‡	do.			T.	T.	.05	.86	.39	.47	.05			.80	1.05		.03	.86		.03	.02			T.	.31	.25	.11		.02	.02	.61	.07		6.60
Fairmont	Monongahela					.09	.92	.25	.31	T.		T.	.60	T.			.32		.05	.11			T.	.06	.09		T.	.14		.31	.17		3.42
Glenville No. 1	Litl. Kanawha	.11			T.		.04	1.72	.67	.09	.01			1.57	.04		.65	.03			.39			T.	T.	.19			.22		1.22		6.95
Grafton	Tygart				.02	.10	.02	1.04	.38	.08		.03	.04	1.13			.49		.03		.32		.45	.17	.44		.10	.13	T.	1.39	.46		6.82
Grantsville	Litl. Kanawha						.30	.71		.05				1.12			.90	T.						.01	.02	.40			1.45		1.38		6.34
Hackers Creek†	West Fork				.03			1.04	.36	T.				1.06			.30				.05			.22	.49	.38		.07		.80	.30		5.70
Hall[2]	Tygart	.13			T.	T.	T.	1.91	.37	.35				.95			.23	.12		.01	T.				.19	.92			.03		.19		5.40
Hastings	Ohio					.08	.02	1.61	.30	.20	.03		.12	.86	.03		.10			.09			.20	.05	.70		.02	.10	.01	.04	.68		5.24
Hoult, Lock 15[2]	Monongahela	.13					.11	1.71	.25	.32				1.01	.14		.23	.02		.01	.18				.30	.12		.05	.10		.47		5.15
Ireland	West Fork							2.04	1.24	.34	T.			1.86	.38											.66				.74		7.26
Jane Lew	do.	.05			.01	.04		1.17	.35	.07				1.16	T.		.28		T.	.04				.44	.58	.30		.06		.98	.28		5.81
Kumbrabow St. For.†	[2]Tygart	.05	.01	.02		.02		.97	.77	.19	.01			1.20		T.	.74		T.	.03				.53	.66	.03		.08	.01	.01	.33		5.66
Lake Floyd	West Fork					T.	.80	.99	.52	.05				.82			.41		T.	T.				.10	.53	.07	T.	.04		.20	.38		4.91
Mannington, 1 N	Monongahela	.03				.09	.10	1.35	.40	.10	T.	.02	.06	.87			.30		.01	.05	.11		.02	.89	.30		.02	.03	T.	.22	.03		5.00
Matthews, Dam 13[2]	Ohio						.16	.24	.08	.33				.60		T.	.21	.04	T.	.12	.13				.02	.41	.02	T.	.01	.07	.64		3.08
Middlebourne, 3 SE[2]	Middle Is. Crk.						.03	1.10	.35	.34			T.	.62			.08			T.	.05			.27		.22	.01	.05	.22	.08	1.25		4.67
Midvale[2]	Tygart	.10					.15	1.07	1.20	.35				1.79	.40		.28	.20		.31	.05				.38	.42	.10		.09		.40		7.29
Morgantown No. 1	Monongahela	.02			.9		.05	1.20		.76	.37			.69			.99		.10	.48	.51		.68	.23	.27	.14	.02		.04	1.31	.05		8.10
Morgantown, Lock 10[2]	do.	.15				T.	.21	1.08	.36	.55				.59	.26		.67	.09		.09	.51			.24	.11	.15	.03	.04	.06		1.55		6.74
Mt. Clare	West Fork					.01	.70	.61	.22					.85			.23						T.	T.	.10	.47		.07		1.66	.49		5.41
New Cumb'l'd Dam 9	Ohio					.07	*	1.49	.47	.06			1.30	.43		.01	.07			.70	.04	.02	.07		.29	.17	.50			.06	.80		6.55
New Martinsville	do.					.05	.55	.66	.43	T.		T.	T.	.52			.23		.06	T.	.03		.11	.21	.16		.06	1.57		.72	.32		5.68
Parkersburg (City)[1]†	do.					.01	1.06	.03	.04				.79	.03		.11	.35		.02	.34			T.		.44		.03		.11	.43	.87		4.66
Parkersburg Arpt.	do.					.01	1.15		.47	T.			.62	.06		.06	.90		T.	.25			.02		.44	.01	.15	.07	.21	.57	.09		5.08
Parsons	Cheat	.10				.07		1.43	.34	.24			.03	.95			.74		.10		T.		T.	.18	.19	.14		T.	.02	.54	.36		5.43
Philippi[2]	Tygart	.05			T		.04	1.62	.38	.35	.02		.10	1.07	.06		.18	.07		.13	T.			1.09	.03	.35			.05		.36		5.95
Roanoke	West Fork					T.		1.98	.97	.15				1.80			.35			T.	.16			.50	.16			.06		.85	.76		7.74
Rockford†	do.				.02	.04		1.00	.48	.05				1.16			.25				T.			T.	.32	.32		.06		1.27	.36		5.33
Rowlesburg[2]	Cheat	.07					.06	1.33	.36	.40	.04		.07	1.30	.07		.58	.10		T.	.20			.76	.16	.41		.13	.04		.34		6.42
Salem	West Fork				T.		.93	1.09	.39	.11				.77			.30		T.				.06	.32	.30			.18		.18	.14		4.68
Sand Fork	Litl. Kanawha	.04			T.	T.	.02	1.55	1.19	.29	T.			2.37			.44		T.		.04			.47	.34	.65	.01	.06		.31	.26		7.44
Shinnston	West Fork					.08	.11	1.01	.43	.23			.07	1.23			.46		.06	.02			.45	.07	.12		.11	.19		.65	.14		5.43
Thomas[2]	Cheat	.11						.91	.28	.22	.07			.48	.74		.18	.35		.11	.46			.28	.02	.39					.31		4.91
Upper Davissou Run	West Fork	.01				.02	.09	1.90	.37			T.		.77			.20		.02	T.	.01			T.	.54	.40		.06		.67	.28		5.29
Valley Chapel	do.	.06				.05		.81	.40	.10				1.04			.26				.04			.40	.35	.30		.05	.05	.91	.40		5.22
Valley Head[2]	Tygart	.04						.66	.63	.14	.08			.33			.20	.15	.04					.20	.11	.29			.20		.29		5.56
Vandalia†	West Fork					.05	T.	1.53	.70	.05				2.29			.40				.07			.16	.32			.08		.46	.39		6.50
Washington Dam 19[2]	Ohio						T.	.86	.06	.10				.94			.26	.04		.03	.52			.08		.30				.18	.52		3.90
Wellsburg, 3 NE	do.					.18		1.03	1.12	.13			1.20	.13		T.	.18			1.13	.13		.17		.20	.11	T.			.35	.34		6.40
West Milford	West Fork					.03	.70	.74	.26	.04				.83			.20				.01			.38	.27		.07		1.02	.34		4.89
Weston[3]	do.	.07					.12	.88	.42	.02				1.40	.12	.03	.22	.16		.03	.06			.07		.82	.06		.08		2.54		7.10
Wheeling (Dam 12)[2]	Ohio				T.		.20	.49	.34	.10			.06	.40		T.	.23	.02		.14	.20		T.	.03		.18	T.		.02	.05	.59		2.96
Southern Division																																	
Arbovale	Greenbrier			.07				.75	.05						.16	T.	.06	.13		.16				2.20		.17	T.	T.	.68	.73	.36		5.52
Athens	New			.46	.32			.63	.06					.50		.03	1.25		.07				.31	T.	.03		.01	.33	.39	.12	.13		4.64
Bluefield No. 1	do.			.49				1.10		.04						.45	1.15		.09					.09	.20	.04			T.		.32		3.97
Bluestone Dam	do.			.18	.30			.63	.46	.05				.46	.03	T.	.88	.08		.16	T.			.75		.08		.17	.15	.04	.17		4.89
Camden-on-Gauley[2]	Gauley				.04			.82	2.52	.28				.35			.42	.10		.34	.05			.04	.09	.34			.08		1.04		6.51
Charleston No. 1	Gr. Kanawha	T.						.53	.25	.13	T.			.01		T.	.58	T.		.23	T.			.98		.18		.02	.26		.08		3.25
Charleston Airport	do.					T.	.22	.84	.08				T.	.02		.25	.28		.28	.13			.72		.34		.02	.46		.24	.01		3.89
Coalwood	Big Sandy			.21	.01		T.	1.30		.03				.74		.56	1.47			.02	.31		1.19	.02	.55	.14		T.	.83		1.24		8.62
Cranberry Glades	Cranberry	.05		.80				.61	.45	.38				.39	.04	.03	.10		.27		.10		.06			.35		.02		.30	.05	.30		4.30
Flat Top[4]	New		.03	.20	.09		.09	1.25	.06	T.				.41		.46	.44		1.48				.06		.09	.08	.02	.85	.13	.24	.13		6.11
Gary[2]	Big Sandy				.20			.69	.21	.05				.64	T.	.44	1.01	.01		.02	.02		T.		.22				.80	.96		5.27
Hamlin	Mud							.64	.09					.04			.69			.18					.20					.26		2.10
Hinton No. 1	New			.23	.40			.68	.65	.06				.36	.01		.93	.05		.13				.80		.47		.16	.38	.02	.30		5.63
Logsett Gallipolis D.	Ohio							.47	.39	.01				.25			1.60			.13	.02			T.	.01	.27			.14		.65		3.94
Huntington No. 1	do.					.05	.35	.64	.17							.11	.80		.16		.07		T.		.30		T.			.09			2.71
Kayford[2]	Gr. Kanawha							1.50	.10					.20		.30		.50													1.00		1.45
Lewisburg	Greenbrier		.42	.33	.03			.96	.10					.22		T.	.50		.12		.20		.56	.08	.09		T.	.11	.94	.17	T.		4.83
Logan[2]	Guyandot						T.	1.43	.12	.07				.27			1.46	.05	.17	.96	.18			T.		.49			T.	.12	.78		6.10
London Locks[2]†	Gr. Kanawha					T.		.92	.31	.15				.36	T.		.48	.17		.33	.06				.09	T.			.04		.30		3.21
Madison[2]	Coal						T.	2.44	.34	.01				.15			1.39	.02		.30				.08		1.05	.21				.89		6.88
Oak Hill	New							1.00	.28	.02				.27	T.		.37	.09		.51	.04			.27		.61				*	.06		1.42
Pineville[2]	Guyandot						.12	1.31	.30	T.				.56	T.	.15	.88	T.	T.	.22	T.			.13	.46		.11		.58		.78		5.60
Point Pleasant[2]	Ohio							.37	.23	.02				.10			.59			.28	.36			.22		.39			.04	.10	.58		3.28
Princeton[2]	New			.43	.62			.31	.27	.08				.30	.12		1.00	.04								.04		.13	.55		.37		4.26
Rainelle No. 1	Greenbrier			.25	.15			.70	.09	.04				.28			.30		.05	.28		.22	.01	.30		.16	.01	.01		.35		4.10
Ravenswood Dam 22[2]	Ohio							.77	.31	.05				.63			.68			.04	.30				.13	.21				.03	.63		3.78

Continued on next page.

Daily Precipitation for June 1948—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley			.09	.15			.67	.36	.31	.05			.50			.12			.38	.12					.35			.23		1.66		4.99
Ripley	Ohio							1.48	.21	.08				.24			1.19		.06	.02	.73		.01	.17	.10			.11		.24	.25		4.89
Spencer [2]	Litl.Kanawha							.51	.25	.06				.48			.69		T.		.03			.05		T.			.18		.52		2.77
Summersville [2]	Gauley		T.		T		.90	.68	.23	T.					.65					1.35												§§
Sutton	Elk					T		3.57	.12	.09				.33			.28		T.					.32			.42		.23	.18		5.54
Union [2]	New			.54	.17			.38	.37	.04	.02			.27	.05		1.22	.08	T.	.45	.04			.33		.13		.25	1.05	.72	.75		6.89
Wayne [2]	Twelvepole						.54	.31						.10	1.00	.32		.11		.90		.44		.24			.04			.06		4.06
Webster Springs	Elk					T.	.28	1.34	1.05	.06				.55		.08	.37		.09	T.			T.	.09	.13	.07		.25	T.	.70	.37		5.43
White Sulp'r Spgs.	Greenbrier		.22	.28				.75	.05	T.				.22		T.	.52		.14		.56		.02	.04	.42		.02	.33		.52	.15		4.24
Williamson [2]	Big Sandy							1.28	.30					.24		.03	1.31		.48	.08	.87					.36			.23	.12	.22		5.52
Winfield Locks [2†]	Gr Kanawha							.31	.23	.05				.18			.73	.02		.01	.20			.08		.27		T.	.13		.67		2.86

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Precipitation measured with recording gage. [4] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. [‡] Included in the next measurement. T. Trace, 0.005 inch or less. [|||] Estimated. [†] Post Office addresses as follows: Aberdeen, Buckhannon; Benson Kinchloe; Big Skiu Creek, Weston; Browusville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrahow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville, Stony River Dam Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont[5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for June 1948

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	71	75	70	76	77	80	70	72	65	75	78	81	75	81	80	77	76	73	78	78	86	84	85	84	80	84	86	86	84	80	....	78.2
	Minimum	50	43	47	52	53	54	57	57	50	43	48	53	60	55	60	60	60	59	61	62	55	65	61	64	60	60	61	59	60	60	....	56.0
Bayard	Maximum	69	75	70	76	70	72	71	69	62	72	78	80	72	77	79	68	71	76	79	74	80	85	86	85	79	81	86	83	87	75	....	76.2
	Minimum	50	42	41	49	52	42	46	52	49	45	46	52	60	44	51	55	36	42	55	57	49	55	56	59	61	56	57	57	57	61	....	51.1
Bluefield No 1	Maximum	71	76	73	78	78	83	76	74	74	78	79	80	81	83	83	83	78	81	81	81	89	89	85	85	82	88	88	86	87	86	....	81.0
	Minimum	58	47	54	53	57	57	60	59	53	46	52	56	55	59	62	61	55	56	65	64	61	68	65	67	67	64	62	61	70	63	....	59.2
Buckhannon	Maximum	73	80	76	81	74	71	66	72	68	76	81	84	78	80	82	77	76	80	85	77	86	90	89	88	82	87	88	88	89	89	....	80.4
	Minimum	44	44	49	56	56	62	59	57	54	48	50	57	61	52	57	61	46	53	51	52	55	62	60	63	64	62	64	63	62	65	....	56.4
Charleston Kanawha County Airport	Maximum	76	82	76	85	77	91	76	77	72	81	84	87	78	81	87	74	79	82	85	75	90	88	91	90	86	89	90	89	88	83	..	83.0
	Minimum	45	47	54	56	61	56	62	55	55	53	57	62	61	54	62	59	53	54	66	60	54	70	68	70	69	69	68	68	66	68	....	60.1
Clarksburg No. 1	Maximum	75	83	72	85	76	83	75	72	70	79	82	86	76	87	85	74	77	80	85	75	87	89	91	89	85	87	89	90	91	81	....	81.9
	Miuimum	45	45	50	57	59	49	55	58	54	50	52	57	64	55	62	61	46	49	59	59	55	56	63	66	64	64	66	66	65	67	....	57.3
Cranberry Glades	Maximum	68	71	74	63	74	72	74	68	68	68	69	75	79	72	76	73	70	72	75	78	75	82	81	82	82	80	82	87	83	77	....	75.0
	Minimum	40	39	39	47	40	37	54	54	45	41	38	44	54	45	53	54	40	36	58	55	46	57	55	53	60	50	51	51	50	55	....	48.1
Elkins WB Airport	Maximum	71	76	73	58	70	81	74	70	65	74	78	83	70	80	80	68	73	75	83	74	85	87	85	86	80	84	87	87	86	77	....	78.0
	Minimum	49	43	46	54	54	52	60	53	53	50	49	54	56	54	58	48	47	48	65	55	53	59	60	62	62	58	60	59	60	60	....	54.7
Fairmont	Maximum	77	85	75	89	78	82	75	74	72	81	85	86	80	83	87	76	80	81	86	72	87	93	91	91	88	89	92	91	93	78	....	83.2
	Minimum	47	45	50	56	56	49	61	55	55	50	53	62	57	57	58	52	47	55	65	56	55	63	64	68	66	65	66	66	66	62	....	57.6
Flat Top [4]	Maximum	66	71	66	72	75	78	67	69	60	70	74	78	72	77	79	64	72	74	75	73	84	83	82	82	77	82	83	83	82	72	....	74.7
	Minimum	46	50	51	51	53	52	57	49	45	44	49	54	56	51	58	54	46	50	61	52	58	64	60	65	60	56	58	58	57	61	...	54.2
Gary [3]	Maximum	75	80	75	81	81	88	75	77	70	79	81	87	80	84	83	72	79	84	83	80	91	88	90	90	85	89	90	90	90	79	....	82.5
	Minimum	52	45	50	54	52	57	58	58	51	49	50	55	59	60	62	63	57	53	61	64	57	64	64	65	64	63	64	63	64	63	..	58 0
Ienville No. 1	Maximum	78	84	80	84	81	86	76	75	72	80	83	85	81	82	85	77	78	77	86	80	87	89	91	90	86	89	89	90	90	86	....	83.2
	Minimum	45	46	52	59	56	55	63	61	57	51	55	58	65	57	60	63	49	55	67	60	56	65	65	67	67	64	67	66	66	67	....	59.5
Grafton	Maximum	74	80	77	83	79	82	78	72	69	78	80	85	79	81	84	78	75	82	85	80	86	90	89	89	83	86	90	89	89	91	....	82.1
	Minimum	46	43	46	53	58	47	60	52	51	48	50	60	59	52	55	57	45	49	62	59	52	59	59	63	62	60	63	62	62	65	....	55.1
Huntington No. 1	Maximum	79	88	83	90	86	88	81	82	78	90	87	90	86	84	90	77	81	85	87	83	91	90	94	93	91	92	93	93	90	89	....	87.0
	Minimum	45	52	54	57	62	61	64	59	58	55	59	61	68	54	62	63	52	57	66	60	57	69	69	72	70	70	69	70	71	70	....	61.9
Lewisburg	Maximum	75	78	66	79	79	81	73	76	69	78	80	84		78	86	76	77	71	83	80	86	88	87	88	88	83	87	89	88	87	80	....	[8]80.4
	Minimum	42	54	58	54	50	50	58	57	49	45	48	51	62	55	58	61	51	51	58	60	50	61	69	63	63	59	62	64	60	60	....	56.1
Logan [3]	Maximum	81	88	80	90	81	93	74	81	75	83	85	90	82	88	91	71	83	82	85	81	94	92	96	93	92	92	94	93	93	85	....	86.3
	Minimum	50	48	52	53	57	61	64	63	55	55	55	60	68	60	61	65	60	59	62	65	61	65	68	69	69	67	67	67	68	68	....	61.2
Madison [3]	Maximum	77	84	77	86	83	90	75	79	74	82	85	89	80	85	89	74	80	85	85	80	91	90	93	92	87	91	91	92	91	84	....	84.7
	Minimum	49	47	51	54	56	56	63	60	54	54	55	58	64	59	61	64	57	56	65	63	60	64	67	68	68	68	68	69	67	67	....	60.4
Mannington, 1 N.	Maximum	79	86	85	87	81	81	80	77	74	82	84	87	86	84	87	85	80	80	86	82	89	91	91	88	88	90	93	92	93	84	....	85.1
	Minimum	40	42	45	52	52	55	60	58	54	48	50	59	60	50	55	57	42	50	60	56	52	60	60	63	60	61	62	62	62	65	....	55.1
Martinsburg Municipal Airport	Maximum	80	80	75	82	79	77	80	77	71	80	84	89	78	79	85	68	78	76	88	77	80	81	86	93	87	86	93	89	92	86	....	81.9
	Minimum	58	55	56	51	60	44	62	59	55	53	53	66	56	51	63	50	47	58	65	63	58	64	66	66	71	66	66	69	69	68	....	59.5
Middlebourne, 3 SE	Maximum	79	86	83	89	79	80	77	72	71	80	85	87	77	81	86	77	79	78	85	74	88	90	92	90	88	89	93	93	94	84	....	83.5
	Minimum	40	40	48	56	56	46	65	57	56	50	50	61	64	53	59	58	47	54	66	57	53	62	63	65	63	65	67	67	64	67	....	57.3
Morgantown No. 1	Maximum	79	84	74	88	77	79	73	74	75	84	83	85	78	86	83	73	78	76	86	72	84	89	87	89	85	86	91	91	93	78	...	82.0
	Minimum	46	47	48	57	62	47	62	54	54	58	55	65	61	51	59	59	45	56	65	58	54	63	67	69	64	67	67	68	69	66	....	58.6
New Martiusville	Maximum	82	89	85	90	85	81	80	75	74	84	86	89	82	86	88	80	86	82	89	77	90	92	92	93	92	91	94	94	92	88	....	86.3
	Minimum	41	46	50	55	59	49	53	58	56	53	55	64	57	54	60	59	49	56	64	58	57	62	62	67	64	66	67	66	65	64	..	57.9
Parkersburg WB City	Maximum	78	85	81	86	78	84	76	76	73	83	87	88	74	83	86	75	77	77	86	72	88	91	94	91	88	90	91	91	90	85	....	83.5
	Miuimum	43	51	56	58	61	56	63	59	58	55	58	67	58	52	62	59	51	60	66	57	53	70	72	70	69	72	70	70	68	65	....	61.0
Petersburg WB City	Maximum	77	82	75	81	78	78	80	78	70	79	85	91	76	81	86	68	80	77	91	81	87	84	89	93	87	90	95	93	93	86	....	83.0
	Minimum	52	53	51	53	58	51	62	56	54	49	51	61	57	52	63	54	47	53	63	60	57	65	66	67	66	61	65	68	65	66	....	58.2
Point Pleasant	Maximum	78	86	83	87	84	87	80	80	76	83	88	89	86	86	86	86	86	85	81	88	88	88	93	94	90	87	91	90	94	91	86	86.4
	Minimum	44	52	54	57	64	59	66	60	58	50	59	63	67	54	61	60	51	59	68	58	55	69	71	74	70	71	70	72	69	68	....	61.8
Rainelle No. 1	Maximum	71	78	73	79	78	81	75	74	65	78	80	85	81	83	85	79	78	80	87	77	91	82	89	88	81	87	89	88	87	80	....	81.0
	Minimum	47	40	45	54	69	61	65	56	48	61	60	71	70	60	60	59	48	58	59	60	52	68	64	60	64	59	60	60	59	58	....	58.5
Spencer	Maximum	76	84	66	76	66	77	68	69	64	70	75	77	67	71	73	65	68	70	75	80	87	88	90	88	86	89	88	89	88	81	....	77.0
	Minimum	43	46	50	51	60	54	60	58	50	54	55	56	62	53	56	58	48	50	55	58	53	61	67	69	67	65	67	69	65	69	..	57.6
Summersville [3]	Maximum	75	76	80	80	83	70	73	79	75	80	82	84	79	82	69	75	78	81														
	Minimum	42	49	43	46	46	58	51	51	42	45	47	48	48	54	62	49	46	59	57													
Sutton	Maximum	76	83	83	85	85	86	86	74	74	81	86	87	87	83	85	85	79	84	86	86	91	92	93	93	89	92	92	90	90	82	....	85.5
	Minimum	50	45	50	56	52	54	58	59	55	49	52	56	62	55	57	60	51	51	60	62	58	62	63	61	65	62	65	64	65	62	....	57.5
Wardensville [3]	Maximum	76	81	75	82	79	77	80	78	70	80	85	90	77	80	87	66	77	79	90	75	83	83	88	92	86	91	93	90	94	86	....	82.3
	Minimum	50	45	50	56	52	54	58	59	55	49	52	56	62	55	57	60	51	51	60	62	58	62	63	61	65	62	65	64	65	62	....	56.5
Wellsburg Warwood Dam 12 [3]	Maximum	76	81	75	82	79	77	80	78	70	80	85	90	77	80	87	66	77	79	90	75	83	83	88	92	86	91	93	90	94	86	....	82.3
	Minimum	51	50	50	49	54	47	60	58	54	47	48	57	63	49	60	62	44	51	57	69	55	62	64	62	65	59	60	63	63	62	....	[8]83.1
White Sulphur Spgs.	Maximum	79	87	85	87	77	80	74	75	74	81	85	87				79	76	76	79	84	78	86	90	91	90	85	87	92	90	90	84	....	57.7
	Minimum	42	46	52	56	59	47	51	59	56	54	55	58	61	54	56	56	47	50	60	58	58	59	70	71	64	67	62	70	67	67	....	82.0
Williamson [4]	Maximum	73	71	65	82	82	82	76	77	76	81	80	85	82	80	88	80	81	78	84	82	87	88	89	90	85	87	90	90	86	82	....	82.0
	Minimum	51	45	49	53	48	42	59	61	50	46	47	49	60	56	58	61	47	48	59	53	55	44	65	64	65	59	68	62	61	60	....	54.5
	Maximum	80	86	82	88	84	92	76	82	75	85	88	91	82	87	92	78	83	87	85	82	95	92	96	93	90	91	94	93	94	88	...	87.0
	Minimum	49	47	50	52	54	59	62	62	53	53	55	59	65	59	58	64	60	58	64	61	60	64	66	68	67	67	67	68	68	68	....	60.3

Daily Evaporation (inches) and Wind Movement (miles) for June 1948

Clarksburg No 1	Evaporation	.008	.167	.144	.065	.288	.061	.307	.150	.190	.071	.131	.049	.348	.122	.181	.218	.094	.189	.066	.219	.023	.269	.048	.178	.206	.332	.080	.258	.208	.285	..	4.958
	Wind movement	51	50	46	17	36	34	51	92	88	49	38	40	58	41	53	31	39	37	35	45	89	30	41	46	60	60	62	27	47	47	..	1440
Wardensville	Evaporation	.242	.164	.225	.117	.169	.162	.172	.115	.272	.072	.221	.176	.456	.104	.090	.178	.213	.192	.104	.272	.007	.197	.171	.425	.241	.168	.116	.306	.193	.294	....	5.834
	Wind movement	22	26	14	19	11	28	25	32	51	28	21	16	31	9	11	9	27	11	21	25	14	16	18	22	23	23	17	18	13	10	....	614

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—10-25-48—1050)

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U. S. DEPARTMENT OF COMMERCE, WEATHER BUREAU

CLIMATOLOGICAL DATA

VICTOR T. HORN

PARKERSBURG, W. VA.

PRICE: 5 CENTS A COPY; 25 CENTS A YEAR

VOL. LVI JULY 1948 No. 7

GENERAL SUMMARY

The mean temperature, 73.3°, was only slightly above normal. However, several stations in widely scattered areas throughout the State recorded temperature deficiencies ranging up to, in the case of Richwood, 2.9°. It was the warmest July since 1943. On the second, the minimum temperatures dropped into the middle 30's at the high level stations and into the 40's at stations on lower elevations.

The average monthly precipitation, 5.44 inches, was 0.82 inch above normal. However, the distribution was uneven. The northern division had excesses up to 5.24 inches in Preston County; plus departures of from 2 to 4 inches occurred generally in this division except in the northern panhandle. The southern portion of the southern division was rather dry with deficiencies of 2 inches or slightly more being reported in the southeast. Light to moderate rains occurred almost daily between the 12th and 23d in all sections.

The month began with good growing weather. Ample soil moisture combined with seasonal temperatures made for rapid growth of corn and other warm-season crops. The period from the 12th to 24th was warm and humid with measurable rain almost daily. Corn made phenomenal growth, some being laid by during the third week. All crops made good to excellent growth during the month. However, harvesting of wheat, oats and hay was carried out under the difficult conditions of too much rain and high humidity. At the close of the month the prospects for most crops were estimated to be from good to very good.—*C. L. W.*

TEMPERATURE

The average monthly temperature for the State, based on the records of 69 stations, was 73.3°, or 0.2° above the normal. The mean for the northeastern panhandle division was 72.7°; for the northern division, 72.8°; and for the southern division, 73.9°. The highest monthly mean was 78.3° at Huntington; and the lowest, 61.6° at Bayard. The highest temperature was 102° at Hinton on the 5th; and the lowest, 36° at Canaan Valley, Cranberry Glades and Kumbrabow State Forest on the 2d.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 101 stations, was 5.44 inches, or 0.82 inch above the normal. In the northeastern panhandle division, the average was 4.03 inches; in the northern division, 6.93 inches; and in the southern division, 4.08 inches. The greatest monthly precipitation was 10.44 inches at Rowlesburg, and the least, 1.50 inches at Bluestone Dam. The greatest amount in any 24 consecutive hours was 3.08 inches at Sand Fork on the 21st-22d. The average number of days with 0.01 inch or more of precipitation was 14.

MISCELLANEOUS PHENOMENA

(Dates and number of stations reporting)

	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
Fogs, dense	2	13	2	..	1	1	4	6	2	..	..	..	1	1	2	3	1	1	..	3	..	..	..	1	7	2	3	2	9	4	1
Frosts, killing	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Gales	..	..	1	..	8	10	3	..	..	..	..	1	1	..	..	2	2	..	..	..	2	7	5	..	..	..	1	..	..	..	..
Hail	..	..	1	2	2	..	..	..	..	..	..	..	..	1	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, lunar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Halos, solar	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..	..
Thunderstorms	..	..	14	15	24	38	8	..	..	..	2	2	3	2	3	1	6	11	5	14	19	15	29	19	..	..	..	2	8	3	8	3

PRESSURE, WIND, HUMIDITY, AND SUNSHINE DATA

Stations	Sea-level pressure, extremes-inches: Highest	Date	Lowest	Date	Wind: Average hourly velocity	Maximum velocity	Direction	Date	Mean relative humidity: 7:30 a. m.	1:30 p. m.	7:30 p. m	Percentage of Sunshine	Degree days
Columbus, O (Arpt)	30.34	2	29.69	22	7.7	31	sw.	17	85	57	61	69	0
Elkins (Airport)	30.35	2	29.74	21	5.1	34	sw.	22	94	66	78	64	10
Huntington (Airpt)	30.31	2	29.75	22	.....	20	w.	22	87	55	72	....	0
Parkersburg (City)	30.32	2	29.70	22	5.6	21	w.	30	89*	59*	73*	57	0
Petersburg (City)	30.48	9	29.71	22	.....	18	nw.	6	89	59	72	....	0
Pittsb'gh, Pa (Arpt)	30.29	9	29.69	23	8.7	35	nw.	27	83	56	63	48	0

* Airport data. *Italics* indicate estimated.

COMPARATIVE DATA FOR JULY

Year	Temperature: Mean	Maximum	Minimum	Precipitation (inches) Average: Northeastern Division	Northern Division	Southern Division	State	Snowfall: unmelted	Average no. of days: With .01 inch or more precipitation	Clear	Partly cloudy	Cloudy
1891	**67.5**	..	..	5.08	6.57	3.50	5.59	0.0	..	..	..	..
1892	73.4	98	41	3.60	4.44	3.92	4.20	.0	9	..	..	..
1893	73.8	98	42	4.40	2.90	2.74	2.96	.0	9	20	10	1
1894	73.3	100	36	2.32	2.40	1.81	2.21	.0	7	10	19	2
1895	70.5	99	39	3.83	3.85	5.14	4.35	.0	9	11	13	7
1896	73.3	97	46	6.16	13.32	5.78	**9.07**	.0	14	9	12	10
1897	74.2	102	46	3.56	6.27	6.05	5.43	.0	13	11	12	8
1898	75.0	103	40	2.40	4.59	5.05	4.46	.0	13	12	7	12
1899	73.3	100	33	2.33	4.82	3.20	3.78	.0	9	14	10	7
1900	74.7	104	41	3.58	4.99	4.20	4.38	.0	13	15	11	5
1901	77.4	104	47	3.53	3.26	2.91	3.16	.0	9	14	12	5
1902	74.2	104	45	3.04	4.53	2.69	3.54	.0	8	14	12	5
1903	72.5	100	37	4.29	3.74	3.54	3.74	.0	10	16	10	5
1904	71.5	97	42	4.78	3.54	2.58	3.28	.0	10	14	12	5
1905	73.3	98	43	7.62	5.36	5.98	5.92	.0	14	12	11	8
1906	72.4	98	45	3.70	4.28	5.10	4.54	.0	12	12	11	8
1907	72.7	98	42	5.19	8.34	5.72	6.66	.0	13	12	14	5
1908	74.0	100	41	4.86	5.48	5.04	5.21	.0	11	14	13	4
1909	70.2	96	36	1.31	4.06	5.27	4.17	.0	11	14	11	6
1910	73.8	98	41	3.11	4.05	6.65	4.92	.0	11	13	12	6
1911	73.3	106	40	2.64	2.88	2.71	2.82	.0	5	16	12	3
1912	72.0	100	45	6.26	8.53	6.98	7.48	.0	13	12	12	7
1913	74.2	103	40	3.84	6.98	5.11	5.80	.0	12	15	12	4
1914	73.1	106	38	3.97	3.76	4.65	4.11	.0	7	16	10	5
1915	71.9	99	38	2.93	4.92	4.74	4.63	.0	13	12	11	8
1916	74.8	102	42	3.61	3.06	3.94	3.49	.0	9	16	8	7
1917	72.6	104	44	4.13	5.23	4.68	4.83	.0	12	14	10	7
1918	70.3	101	38	3.17	3.11	3.24	3.18	.0	8	17	7	7
1919	74.3	104	41	4.91	5.48	5.73	5.51	.0	10	18	7	6
1920	70.1	99	40	3.36	5.96	4.27	4.84	.0	10	16	8	7
1921	75.6	101	44	4.19	3.25	3.74	3.58	.0	9	16	10	5
1922	72.9	99	43	3.34	4.68	4.78	4.53	.0	11	15	8	8
1923	71.7	100	37	3.34	5.17	4.63	4.70	.0	10	16	8	7
1924	70.0	99	36	3.22	5.11	4.04	4.49	.0	11	16	9	6
1925	72.2	102	31	3.55	5.93	4.31	5.05	.0	11	13	11	7
1926	72.6	107	37	3.76	4.71	4.67	4.45	.0	10	15	8	8
1927	72.3	100	36	3.60	5.46	5.06	5.09	.0	10	15	9	7
1928	73.5	102	35	2.91	4.98	3.58	4.23	.0	11	15	10	6
1929	72.7	104	32	2.24	3.72	5.32	4.09	.0	10	15	10	6
1930	74.9	109	34	.93	2.06	2.03	**1.90**	.0	6	21	7	3
1931	76.8	108	42	4.64	3.28	5.52	4.78	.0	10	17	9	5
1932	73.1	102	40	3.60	6.00	6.87	6.02	.0	12	17	8	6
1933	72.6	104	36	5.01	4.86	5.73	5.21	.0	10	15	9	7
1934	**77.5**	107	40	3.68	4.47	4.97	4.56	.0	10	16	9	6
1935	75.6	101	46	3.55	4.14	5.68	4.61	.0	11	14	11	6
1936	75.2	**112**	35	4.92	5.58	4.49	5.10	.0	10	16	10	5
1937	72.4	101	37	2.11	3.79	4.79	3.96	.0	12	14	11	6
1938	73.6	103	37	5.15	5.00	6.65	5.58	.0	14	13	10	8
1939	72.1	99	33	5.54	5.56	6.37	5.81	.0	14	12	11	8
1940	72.5	103	33	3.73	4.41	4.75	4.43	.0	11	14	11	6
1941	74.4	105	37	4.65	5.22	6.03	5.39	.0	13	12	12	7
1942	73.9	103	41	2.89	4.68	4.91	4.44	.0	12	13	12	6
1943	78.4	101	34	5.22	8.17	5.15	6.56	.0	13	10	13	8
1944	72.6	102	34	2.39	3.13	2.18	2.65	.0	8	16	10	5
1945	72.2	100	34	6.27	5.50	5.30	5.54	.0	12	12	12	7
1946	72.5	100	35	2.66	3.03	3.65	3.20	.0	9	15	9	7
1947	69.2	100	**30**	4.34	5.60	3.45	4.46	.0	13	12	11	8
1948	73.3	102	36	4.03	6.93	4.08	5.44	.0	14	10	13	8
Period	73.1	112	30	3.84	4.78	4.58	4.62	.0	11	14	11	6

Climatological Data for July 1948

Stations	Counties	Elevation, feet	Length of record, years	Temperature, in degrees Fahr.						Precipitation, inches					Number of days				Prevailing direction of the wind	Observers
				Mean	Departure from the normal	Highest	Date	Lowest	Date	Total	Departure from the normal	Greatest in 24 hours	Ending date	Total snowfall, unmelted	Precipitation, .01 inch or more	Clear	Partly cloudy	Cloudy		
Northeastern Panhandle Division																				
Bayard	Grant	2 370	45	66.2	−1.4	86	5	41	2†	7.46	+3.22	1.81	22	0	17	10	14	7	w.	Howard R. Fulk
Harpers Ferry	Jefferson	400	59	.....	.....	.....	.....	.....	.....	2.88	−0.62	0.57	14†	0	9	.....	.....	.....	.....	Miss Eleanor J. White
Inwood	Berkeley	569	15	76.4	+1.7	97	5†	47	9	2.02	−1.53	0.80	31	0	6	3	25	3	w.	H. W. Prettyman
Kearneysville	Jefferson	548	18	75.6	−0.5	96	30	50	9	1.95	−1.24	0.60	15	0	9	5	23	3	s.	University Exper. Station
Martinsburg Mun. A'rp't.	Berkeley	540	56	74.9	−0.8	96	30	49	9	1.64	−1.98	0.65	31	0	10	4	17	10	s.	Civil Aero. Administration
McNeill, 2 NE	Hardy	800	14	72.4	+0.8	95	5†	44	3	4.89	+1.86	1.40	14	0	14	10	11	10	w.	R. E. Saville
Petersburg WB City	Grant	1,029	9	73.8	.....	93	5†	49	2	5.57	.....	2.11	14	0	15	1	14	16	s.	U. S. Weather Bureau
Piedmont	Mineral	1,053	34	73.2	+0.9	92	5	50	2	5.01	+1.53	2.50	3	0	18	6	17	8	w.	C. A. Suter, Jr.
Romney	Hampshire	824	47	73.8	−1.1	93	5†	48	2†	4.54	+1.06	1.06	4	0	17	9	12	10	.....	Marion W. Haines
Spruce Knob	Pendleton	4,550	16	.....	.....	.....	.....	.....	.....	4.21	−1.16	0.69	6	0	12	.....	.....	.....	.....	Moses R. Bennet
Stony River Dam	Grant	3,300	28	.....	.....	.....	.....	.....	.....	7.38	+3.24	0.97	6	0	16	3	6	22	w.	Fred Becker
Wardensville R.M. Farm	Hardy	1,200	30	72.0	+1.4	93	5	45	9	3.74	+0.64	0.93	14	0	14	19	8	4	n.	Reymann Memorial Farm
Means and Extremes		.....	....	**72.7**	.....	**97**	**6†**	**41**	**2‡**	**4.03**	.....	**2.50**	**3**	**0**	**12**	**8**	**14**	**9**	w.	
Northern Division																				
Aberdeen	Upshur	1,060	24	....	.....	.....	.....	.....	.....	7.08	+2.29	1.29	22	0	18	3	18	10	w.	L. Esle Bond
Belleville Dam 20	Wood	600	31	.....	.....	.....	.....	.....	.....	6.34	+2.41	1.35	22	0	16	.....	.....	.....	.....	Lockmaster
Benson	Harrison	1,080	23	74.2	+1.7	93	5†	48	2	7.54	+2.39	1.66	22	0	17	9	19	3	.....	R. D. Marts
Bens Run	Pleasants	652	47	77.0	+1.9	96	4	54	2	5.46	+0.93	1.59	22	0	14	18	13	0	.....	Mrs C. W. Rea
Brandonville	Preston	1,798	7	69.2	.....	88	6	44	2	7.73	+2.47	2.73	4	0	15	.....	.....	.....	.....	James I. Galloway
Brownsville‡	Lewis	1,032	24	73.5	−0.3	95	3	45	3	8.22	+3.42	1.93	22	0	18	4	18	9	s.	M. D. Hawkins
Buckhannon	Upshur	1,459	57	71.8	0.0	91	5	46	2	7.93	+3.21	1.91	6	0	18	7	17	7	w.	Prof. Arthur B. Gould
Cairo, 3 S	Ritchie	680	42	73.3	−1.0	94	5	50	2	4.48	+0.06	1.49	6	0	12	8	18	5	.....	Eureka Pipe Line Co.
Canaan Valley	Tucker	3,250	4	65.8	.....	84	29	36	2	6.46	.....	1.07	6	0	16	0	25	6	w.	George B. Thompson
Clarksburg Ben'd'm Field	Harrison	1,015	25	72.2	.....	92	5	46	2	6.02	.....	1.30	6	0	15	4	15	12	s.	U. S. Airway Station
Clarksburg No. 1	Harrison	1,184	8	73.2	−0.6	91	4†	51	2	6.73	+2.65	1.80	6	0	14	10	13	8	sw.	Clarksburg Water Board
Creston	Wirt	656	47	.....	.....	.....	.....	.....	.....	5.23	+1.01	1.18	31	0	13	.....	.....	.....	.....	Nellie B. Arthur
Elkins WB Airport	Randolph	2,006	49	69.6	−0.2	88	5	45	2	8.33	+2.95	1.86	31	0	19	1	11	19	s.	U. S. Weather Bureau
Fairmont	Marion	1,023	56	74.0	−0.3	92	4†	51	2	7.10	+2.70	2.08	21	0	17	.....	.....	.....	.....	Monongahela Power Co.
Glenville No. 1	Gilmer	780	60	74.4	−0.9	93	5	52	2	9.12	+4.25	2.23	14	0	20	5	11	15	w.	Fred W. Wells
Grafton	Taylor	1,100	54	72.1	−0.5	90	5	48	2	8.68	+4.60	1.46	16	0	19	6	17	8	sw.	William D. Myers
Grantsville	Calhoun	730	3	75.2	.....	96[a]	5	51	3	7.68	.....	2.17	14	0	14	9	11	11	.....	Hope Natural Gas Co.
Hastings	Wetzel	809	13	....	.....	.....	.....	.....	.....	7.65	+2.86	2.30	22	0	14	8	20	3	w.	L. G. McIntyre
Hoult Lock 15	Marion	882	26	.....	.....	.....	.....	.....	.....	6.31	+2.38	1.18	20	0	18	.....	.....	.....	.....	Lockmaster
Jane Lew‡	Lewis	1,020	24	.....	.....	.....	.....	.....	.....	7.20	+2.26	1.04	13	0	18	.....	.....	.....	.....	Reta Goldsmith
Kumbrabow State Forest	Randolph	3,210	7	65.7	.....	85	5	36	2	6.71	.....	1.59	22	0	16	18	6	7	.....	O. C. Hamilton
Mannington, 1 N	Marion	974	46	73.6	+1.8	95	4	48	2	7.71	+2.92	1.72	22	0	18	6	16	9	sw.	James A. Morgan
McMechen Dam 13	Marshall	655	32	.....	.....	.....	.....	.....	.....	3.71	−0.65	0.86	6	0	14	.....	.....	.....	.....	Lockmaster
Middlebourne, 3 SE	Tyler	750	7	74.0	.....	96	4	50	2	6.68	.....	2 91	22	0	16	10	11	10	se.	L. A. Crumrine
Morgantown No. 1	Monongalia	1,050	72	74.4	+0.9	91	12	53	8	5.19	+1.11	0.82	3	0	16	10	13	8	sw.	Prof. L. M. Pears
Morgantown Lock 10	Monongalia	826	26	74.1	.....	93[a]	4	53	2†	4.90	+0.82	0.82	4	0	19	15	8	8	s.	Lockmaster
New Cumberland Dam 9	Hancock	671	53	74.6	+1.6	95	4	48	30	4.05	−0.03	2.60	23	0	11	18	4	9	se.	C. O. Valentine
New Martinsville	Wetzel	637	54	75.7	+0.5	97	4	53	2	9.70	+5.21	2.97	22	0	13	13	14	4	sw.	Dr. Z. W. Ankrom
Parkersburg WB City	Wood	615	63	75.9	+0.5	94	4	53	2	6.46	+2.17	2.84	14	0	14	3	15	13	sw.	Section Center
Parkersburg Airport	Wood	839	0	75.0	.....	93	4	52	2	4.50	.....	0.92	13	0	14	3	14	14	s.	Civil Aero. Administration
Parsons	Tucker	1,649	49	71.2	+0.4	89	5†	47	2	7.05	+1.96	1.00	31	0	21	5	8	18	.....	D. A. Oliver
Philippi	Barbour	1,300	54	.....	.....	.....	.....	.....	.....	8.79	+4.06	2.63	6	0	18	.....	.....	.....	.....	Mrs. Maxine Leach
Roanoke‡	Lewis	1,050	24	.....	.....	.....	.....	.....	.....	7.92	+3.03	2.57	22	0	16	7	10	14	.....	Mary A. Conrad
Rowlesburg	Preston	1,375	63	71.8	.....	90	4	52	8†	10.44	+5.24	2.00	21	0	14	.....	.....	.....	se.	W. H. Bolyard
Thomas	Tucker	3,000	19	.....	.....	.....	.....	.....	.....	8.24	+1.75	1.20	22	0	17	.....	.....	.....	.....	W. Sleeman
Valley Chapel	Lewis	1,011	24	76.0	+2.0	95	5	53	8†	8.75	+3.82	1.27	6	0	19	6	21	4	sw.	Roscoe H. Jackson
Washington Dam 19	Wood	600	31	.....	.....	.....	.....	.....	.....	8.44	+4.51	2.69	14	0	14	.....	.....	.....	.....	Lockmaster
Wellsburg, 3 NE	Brooke	668	55	74.0	+1.8	92	4†	49	2	5.20	+1.02	1.85	4	0	8	20	9	2	.....	George P. Pfister
West Milford‡	Harrison	979	22	.....	.....	.....	.....	.....	.....	7.69	+3.04	1.90	6	0	16	.....	.....	.....	...	Scotland G. Highland
Wheeling W'rw'd Dam 12	Ohio	659	64	74.5	−0.3	93	4†	52	2	3.66	−0.64	0.70	21	0	13	11	17	3	sw.	Lockmaster
Means and Extremes		.....	....	**72.8**	.....	**97**	**4**	**36**	**2**	**6.93**	.....	**3.08**	**22**	**0**	**16**	**9**	**14**	**8**	sw.	
Southern Division																				
Arbovale	Pocahontas	2,734	25	.....	.....	.....	.....	.....	.....	3.03	−1.68	0.68	21	0	11	9	12	10	w.	H. S. Sutton
Athens	Mercer	2,600	8	70.4	.....	90	5	43	2	3.51	.....	0.97	17	0	15	14	12	5	.....	Concord College
Bluefield No. 1	Mercer	2,590	53	73.6	+2.0	93	5	48	2	1.88	−2.19	0.54	14	0	11	20	9	2	.....	Norfolk & Western Ry
Bluestone Dam	Summers	1,407	6	76.0	.....	98	5	54	2	1.50	.....	0.47	16	0	12	11	14	6	n.	Willard F. Russell
Charleston No. 1	Kanawha	615	61	76.6	−0.3	98	5	53	2	5.51	+0.73	1.77	13	0	16	12	14	5	.....	W. Va. Water Service Co.
Charleston Kan. Co. A'p't	Kanawha	§950	0	74.9	.....	98	5	52	2	6.91	....	1.81	13	0	16	3	12	16	sw.	Civil Aero. Administration
Coalwood	McDowell	1,450	6	75.1	.....	97	5	51	2	4.43	.....	1.07	27	0	17	11	12	8	e.	W. A. McNees
Cranberry Glades	Pocahontas	3,400	4	64.0	.....	85	6	36	2	6.03	....	1.33	5	0	17	2	17	12	e.	Department of Justice
Flat Top	Mercer	3,270	10	67.7	+0.7	86	5	39	2	3.48	−1.79	0.71	16	0	13	7	9	15	sw.	U. S. Airway Station
Gary	McDowell	1,426	31	74.0	+0.9	93	5	51	2	2.74	−2.19	0.60	7	0	13	.....	.....	.....	.....	U. S. Coal & Coke Co.
Hamlin	Lincoln	642	5	74.9[b]	.....	96[a]	5	47[b]	2	4.48	.....	0.87	28	0	12	15	5	11	.....	W. Va. Water Service Co.
Hinton No. 1	Summers	1,431	59	76.6	+2.2	102	5	53	2	2.05	−2.02	0.40	21	0	13	.....	.....	.....	.....	Mrs. M. L. McClung
Huntington No.1	Cabell	571	52	78.3	+1.7	99	5	55	2	3.17	−1.13	0.90	15	0	11	8	20	3	sw.	H. N. Robinson
Kayford	Kanawha	1,335	31	.....	.....	.....	.....	.....	.....	2.68	−2.49	0.50	19	0	12	.....	.....	.....	.....	Truax-Traer Coal Co.
Lewisburg	Greenbrier	2,250	52	71.2	+0.2	90	4†	45	2	1.82	−2.07	0.34	17	0	14	21	5	5	w.	Prof. H. B. Graybill
Logan	Logan	700	36	77.2	+1.2	98	5	56	2	4.82	−0.11	1.07	20	0	14	15	6	10	.....	J. W. Ruff
London Locks	Kanawha	623	13	75.1	−0.4	97	5	54	2	7.05	+1.11	2.01	22	0	14	.....	.....	.....	sc.	Lockmaster
Madison	Boone	675	27	76.3	+1.5	95	5	53	2	3.92	−1.41	1.15	7	0	10	8	18	5	.....	W. Va. Water Service Co.
Oak Hill	Fayette	1,950	6	71.8	.....	88	4†	45	2	4.44	....	1.75	23	0	14	14	7	*10*	.....	M. H. Martin
Pineville	Wyoming	1,350	6	75.1	.....	96	5	53	3	1.11	....	0.78	1	0	13	.	.....	.....	.....	Walter C. Byrd
Point Pleasant	Mason	540	58	77.2	+0.8	96	5	55	2	7.43	+3.29	1.75	14	0	18	10	8	13	sw.	E. C. Winger
Rainelle No. 1	Greenbrier	2,424	17	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	L. G. Swing
Ravenswood Dam 22	Jackson	584	33	75.4	+0.3	95	5†	50	2	6.38	+2.36	1.53	15	0	15	9	14	8	sw.	Lockmaster
Richwood	Nicholas	2,193	17	68.9	−2.9	90	5	40	2	5.46	−1.38	1.49	22	0	13	13	11	7	.....	Richwood Water Co.
Ripley	Jackson	610	6	75.6	.....	97	5	51	2	5.90	.....	1.12	22	0	15	.....	.....	.....	.....	R. B. Parsons
Spencer	Roane	789	49	78.6	0.0	92	5	50	2	7.10	+2.86	1.45	16	0	12	6	23	2	.....	A. M. McKown
Summersville	Nicholas	1,900	12	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....	A. E. Dorsey
Sutton	Braxton	900	45	74.6	−0.2	95	5†	49	3	6.81	+1.48	1.73	22	0	15	16	11	4	.....	C. B. Eakle
Union	Monroe	2,200	44	71.4	−0.2	91	5	44	2	3.50	−0.29	1.36	28	0	16	18	2	11	w.	Thelma F. Spangler
Webster Springs	Webster	1,560	16	73.0	...	91	5	50	2	7.35	.....	1.93	23	0	15	12	10	9	w.	Roscoe Gregory
White Sulphur Springs	Greenbrier	1,914	34	72 4	+0.8	93	4†	45	4	1.56	−2 36	0.41	6	0	13	8	17	6	w.	Greenbrier Hotel
Williamson	Mingo	673	47	77.1	+1.0	99	5	55	2	8.23	+3.80	2.44	14	0	13	17	7	7	nw.	Norfolk & Western Ry.
Winfield Locks	Putnam	571	10	76.4	.....	98	5	55	2	3.25	−0.99	0.69	22	0	12	9	*10*	12	w.	Lockmaster
Means and Extremes		.....	....	**73.9**	.....	**102**	**5**	**36**	**2**	**4.08**	.....	**2.44**	**14**	**0**	**13**	**12**	**12**	**7**	w.	
State Averages and Extremes		.....	....	**73.3**	**+0.2**	**102**	**5**	**36**	**2**	**5.44**	**+0.82**	**3.08**	**22**	**0**	**14**	**10**	**13**	**8**	w.	

The departures from the normal temperature are computed from averages of the entire period for stations having 10 or more years of record. Departures of precipitation with 15 years or more of record are computed from a normal or *standard mean*, adjusted to a uniform 35-year period; for stations of 10 to 14 years the means for the period of record are used. Reference letters indicate number of days missing; for example, [a] one day, [b] two days etc. † Also on other dates. ‡ Used for State Extremes but not for deriving State averages. Figures and letters after name of station indicate distance in miles and direction from place named. *Italics* interpolated.

Daily Precipitation for July 1948

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Northeastern Panhandle Division																																	
Bayard	Potomac	.03			.81	.22	.47	.08						.65	.43	.10	.31	.11	.18	.15	1.40	.08	1.81	.07				T.				.56	7.46
Brushy Run[2]	do.				.08		.48	.27							.04	1.08	.03	.05	.18		.58	.75	.05	.09	.13				.03			.15	3.99
Harpers Ferry[2]	do.		.20				.10								.57	.50		T.			T.		.14	.51	.18			.57				.11	2.88
Inwood	do.												T.	.72	.07			.03			.18			.22							.80	2.02
Kearneysville	do.	.03					.10							.05	.33	.27				.19	.05			.38				T.	T.			.55	1.95
Knobly Mountain[2]†	do.	T.			1.08			.35						.20	.24	.10	T.	.37			.08	.32	.38	.15	T.			T.					3.27
Martinsburg Arpt.[4]	do.	T.		.03	T.	.04	T.							.05	.41	T.			T.	.16	.08		.18	.03			T.	.01			.65	1.64
McNeill, 2 NE†	do.	T.			.41		.22						T.	.19	1.40			.05	.09	.66	.51	.02	.32	.11			T.	.06	.04			.81	4.89
Petersburg, WB City	do.			.02	.11	.14	.31							.21	2.11	.02	.03	.04		.25	.72	.20	.35	.13				T.				.93	5.57
Piedmont	do.	.01			2.50		.51	.07						.42	.05	.17	.3	.25		.03	.06	.20	.18	.24	.01					.09	.01	.08	5.01
Romney	do.				1.06	.23	.34	.01						.25	.58	.02	.02	.01		.13	.29	.13	.17	.62	.01					.12		.55	4.54
Spruce Knob[2]†	do.	.14			T.		.69	.26							.28	.47	.24	.52	.17	T.		.28	.60	.32	.24			T.				T.	4.21
Stoney River Dam[2]†	do.	.21			.35		.41	.97						.29	.35	.92		.05	.11		.45	.93	.93	.66	.16			.05				.54	7.38
Wardensville[2]	do.				.31		.04	.18							.93	.50	.01				.35	.53	.12	.27	.04			.03		.13		.30	3.74
Northern Division																																	
Aberdeen†	West Fork	.13		T.			.71	.66				T.	.14	.43	.50	.02	.34	T.	.38	.23	.80	.03	1.29	.70	.03		T.	.15			.05	.49	7.08
Belington[2]	Tygart	.19			.57		.54	.65						.42	1.06	.84		.73	.04	.25	.64	.21	.59	.51	.13			.04	.02	.04		.36	7.83
Belleville, Dam 20[2]	Ohio	.42					.72	.07						.35	.63	.16		.02	.36		.02	.18	1.35	.77	.47			.19	.06			.57	6.34
Bensout	West Fork						1.18	.28					.05	.83	.60		.15	.02	.18		.51	.02	1.66	.90	.02			.12	.16	.08		.78	7.54
Bens Run	Ohio	.06				T.	1.37							.11	.61	.26		.06	.05	T.	.08	.10	1.59	.80			.09		.22	T.	.06		5.46
Big Skin Creek	West Fork						1.78						.53		.15			.75	.15	.40	.60	1.50	.96	.45				.18			.02	.40	7.87
Brandonville[2]	Cheat				2.73			.72						.16	.64			.87	.39	.30	.08	.58	.36	.22	.24			.11	.04			.29	7.73
Brownsville†	West Fork	.06					1.18	.62					.21	.62	.36	.32	.51	.06	.43	.32	.27	.03	1.93	.52				.23			.15	.40	8.22
Buckhannon	Tygart	.12					1.10	.81				T.	.19	.49	.68	.02	.35	.16	.47	.82	.16	.01	1.29	.52	T.		.04	.08			T.	.62	7.93
Cairo, 3 S	Litl. Kanawha	.01					1.00	.49							.58	.38		.02	.17			.05	.11	.93	.61			.13					4.48
Canaan Valley	Cheat	.06			.29		1.07	.04						.59	.60		.24	.14	.20	.67	.53	.05	.75	.52				.08				.63	6.46
Clarksburg No. 1	West Fork	.12			.27		.30	1.50						.26	.37		.04	.66	T.		T.	.02	1.35	.21	.54			.05				1.04	6.73
Clarksburg Airport	do.			.01	.36	.38	.92						T.	.38	.36		.51	.08	T.	T.	.29	.03	1.21	.45			.10	T.	T.	T.	.06	.88	6.02
Crawford	do.	.05					1.12							.14	.31	.53	.07	.40	.23		1.05	.85	.03	2.56	.13	.01		.02	.08	T.		T.	.50	8.08
Creston[2]	Litl. Kanawha	T.					.97	.08					T.	.25	.10	.93		.04	.26		T.	T.	.65	.40	.06			.25	.06			1.18	5.23
Dailey[2]†	Tygart	T.			.22		.28	.58	T.				.05	.44	.48	.15	.03	.71	.23	T.	.04	.16	.81	.42	.44			.02	.03			.45	5.54
Elkins, WB Airport[1]‡	do.	T.			.46	.28	.69	.01				T.	.04	1.04	.68	.03	.31	.49	.14	.26	.45	.41	.92	.42	T.		T.	.04	.01			1.65	8.33
Fairmont	Monongahela			.13	.29	.02	.19						.04	1.36	.17		.12	.12	.16	T.	1.09	2.08	.22	.21			.12	T.	.05		T.	.73	7.10
Glenville No. 1	Litl. Kanawha	.28					1.01	1.23					.01	.90	2.23	.17	.21	.49	.17	.04	.19	.30	.68	.48	.04			.13	.03		.08	.45	9.12
Grafton	Tygart	.23			.35	.02	1.03						.25	.91	.32		1.46	.24	.16	.05	.42	.01	1.21	1.03			.10	.05		.05		.79	8.68
Grantsville	Litl. Kanawha					.68	1.04						.08	.34	2.17	.55		.10	.30		.02		1.34	.13				.17	.01			.75	7.68
Hackers Creek†	West Fork			.10			2.21					T.	.14	.71	.30		.60	.10			.10	.06	1.62	.60							.95	7.49
Hall[2]	Tygart	.32			.16		.59	.94						1.03	.37	.24		.21	.40	T.	.34	.42	.86	.39	.56			.16	.12	.06		.52	7.69
Hastings	Ohio					T.	.60	.64					T.	1.63	.36				.17	.12	.73	.07	2.30	.35				.10	.04	.35		.19	7.65
Holt, Lock 15[2]	Monongahela	.13			.35		.07	.66						.50	.73	.04		.04	.01	.19	.08	1.18	.57	.59	.16			.13		.26		.62	6.31
Ireland	West Fork						.25		1.25				.32	1.60	1.94	.64	.14	.25	.08	.05	T.	.18	1.10	1.17	.63	.09	.04	T.		.04	.03	.06	9.86
Jane Lew	do.	.15			T.		.92	.12					.48	1.04	.54	T.	.57	.08	.06	.14	.35	.05	1.01	.65	.01		T.	.10	.02			.91	7.20
Kumbrabow St.For.†	[2]Tygart	.01					.91	.65						.45	.35	.06	.15	.68			.02	.23	1.59	.74	.20			.11	.06			.59	6.71
Lake Floyd	West Fork	.34					1.66	.03					.03	.99	.80		.11	.12		.05	.08	1.68	.46			.03	.09				*		.86	7.33
Mannington, 1 N	Monongahela			.15	.79	.03	.25						.81	.97	.83			.09	.31	.20	.96	.05	1.72	.10	T.		.01	.19	T.	.21	T.	.04	7.71
McMechen, Dam 13[2]	Ohio			T.	.01			.86						.33	.33	.01		.01		.22		.37	.33	.56	.24			.01	.24			.19	3.71
Middlebourne, 3 SE[2]	Middle Is. Crk.	.05					.12	.13						.62	1.31	.08	T.	.01	.22		T.	.05	2.18	.73	.63			.12	.02	T.	.12	.29	6.68
Middlesale[2]†	Tygart				.10		.40	.85	.09					.88	.79	.50		.35	.40		.30	.20	1.40	.90	.25			.05	T.			.95	8.41
Morgantown No. 1	Monongahela		.05	.82		T.	.81						T.	.41	.72	T.	.63	.04	.35	.11	.25	.26	.40	.10			.10	.08	T.		.06		5.19
Morgantown, Lock 10[2]	do.	.01			.80	.02	.24	.50						.06	.68	.05		.43	.03	.29	.14	.75	.19	.41	.03			.18	.04			.05	4.90
Mt. Clare	West Fork	.01			.09		1.60							.08	.70			1.10	.09		.27	.02	1.03	.55							.88	7.22
New Cumb'l'd Dam 9	Ohio						.15							.02	.03	T.		.48	.03			T.	.85	1.75				.04		.51		.16	.03	4.05
New Martinsville	do.	T.		T.		.08	.73								.50	.71		T.	T.		.12	2.96	.12	2.97	.38			.10		.75		.16	.12	9.70
Parkersburg (City)[1]‡	do.					.55	.13							.03	2.15	.81		T.	.05			.02	.52	.98	.73			.17	T.	.08		.21	.03	6.46
Parkersburg Arpt.	do.					.39	.37							T.	.89	.73			.02		T.	.02	.42	.48	.70			.11	.01	.01		.33	.2	4.50
Parsons	Cheat	.03			.29		.87	.14						.02	.70	.35	.02	.50	.22	.44	.50	.58	.11	.77	.39	.01			.06	.02	.03	T.	1.00	7.05
Philippi[2]	Tygart	.42			.63		.55	2.08						.56	.63	.16		.31	.20	.03	.34	.25	.86	.50	.51			.09		.03		.64	8.79
Roanoke	West Fork					.50	.86						.15	.19	.71	.69	.06	.13	.21	.17	.98	T.	2.57	.14			T.	.27	.02		T.	.27	7.92
Rockford†	do.	.09					1.90	.04			T.		.06	.86	.64	T.	.88	.18	.06	T.	.20	T.	1.46	65				.11	T.			1.02	8.15
Rowlesburg[2]	Cheat	.29			1.12		.06	1.42	T.					.30	1.09	.27		1.19	.31		T.	2.00	1.31	.43	.04			T.		T.		.61	10.44
Salem	West Fork	.50					1.40							1.03	.35		.10	.18			.10	.05	1.65	.74			.11					1.03	7.24
Sand Fork	Litl. Kanawha	.01					.99					T.	.14	.34	1.13	.55	1.38	.18	T.	.57	1.16	.04	3.08	.22				.15			.04	.52	10.50
Shinnston	West Fork	.52	.20		.15	T.	.78							1.19			.10	.45	.30		.65	.10		1.19	.36		.04	.12	.15			.82	7.42
Thomas[2]	Cheat	.31			.41		.82	.57	T.					.29	.23	.77		.20	.55		.20	.69	1.20	.48	.34			.02	.01			1.15	8.24
Upper Davisson Run	West Fork	.04		T.			.18						.16	.37	.71		.17	.17	.07		.06	.02	1.70	.89				.11				1.29	6.24
Valley Chapel	do.	.17					1.19	.08					.30	.98	.38		.47	.08	.24	.52	.34	.50	1.13	.20	.65		.26	.06	T.	.10	T.	1.10	8.75
Valley Head[2]	Tygart	.10	.01				.46	.61							.56	.12		.31	.11			.20	1.27	.53	1.28				.08			.04	5.68
Vandalia†	West Fork						1.15						.14	.52	.64	.95	.35	.37	.02	.57	1.00	.29	2.29	.16			.02	.05			.03	.57	9.12
Washington Dam 19[2]	Ohio	.87					.21	.60						1.88	2.69			.06	T.		.04		1.04	.07	.62			.18	.06	.06		.06	8.44
Wellsburg, 3 NE	do.				1.85		.38							1.04				.25				T.	.52	.38		T.		.61			.17	5.20
West Milford	West Fork	.20					1.60	.30					.06	.96	.79		.76	.10	.17		.25	.05	.96	.43			.18		.11			.77	7.69
Weston[2]	do.	.38					.76	.44					T.	.56	.48	.32	.04	.68	.18	.38	.28	.18	1.62	.19	.36			.12	.06			.32	7.35
Wheeling (Dam 12)[2]	Ohio	T.		T.	.55			.62						.01	.04			.23		.35		.13	.70	.33				.02	.39	.02		.27	3.66
Southern Division																																	
Arbovale	Greenbrier	.03			.01		.54								.22	.30			.26			.09	.68	.32	.49				.09				3.03
Athens	New	.04					.17	.01					.01	T.	T.	.23	.54	.07	.97	T.		.19	.01	.02				.01	.01	.83		.40	3.51
Bluefield No. 1	do.	.04					.15		.05					.09	.54		.03	.51		.11		.13		.12	.11								1.88
Bluestone Dam	do.	.09						.02						T.		.21	.06	.47	.02			.13	.02	.16	.05			T.	.25	.02			1.50
Camden-on-Gauley[2]	Gauley	.32					1.46	.17				.82		.34	.16	.70		1.41	.21			.25	1.05	1.15	.72				.24	.30			9.30
Charleston No. 1	Gr. Kanawha	.01					.02	.75					.01	.61	1.16	.15		.93	.12	.03	T.	.15	.32	.37	.24			T.	.37			.27	5.51
Charleston Airport	do.	.01				.02	.81						.17	1.81	1.28		.77	.17	T.	.06	.01	.46	.43	.28			T.	.09	.17			.37	6.91
Coalwood	Big Sandy	.13					.30	.74					.02	.06	.18	.03	.24	.10	.02			.46	.21	.05	.22			1.07	.02			.58	4.43
Crauberry Glades	Cranberry	1.25	.02				1.33	.04						.06	.11	.20	.20	.45	.15		.51	.40	.50	.25	.16				.14			.26	6.03
Flat Top[4]	New	.06				.26	.04						.52		.29	T.	.71	.02			.39	.02	.02	.18				.31	T.			.66	3.48
Gary[2]	Big Sandy	.25					.18	.60						.22	T.	.14		.24	.03			.21	.17	.25	.18				.22	.05			2.74
Hamlin	Mud						.13							.13	.29			.79	.32	.27	.04		.45	.66	.35				.87			.18	4.48
Hinton No. 1	New	.09						.13						.04		.28	.06	.39	.20			.30	.10	.10	.05				.30	.01			2.05
Hogsett Gallipolis D.	Ohio						.58	.25						T.	.12	.35		.52	.24			.03	.88	.30	.58			.30	.02			1.05	5.22
Huntington No. 1	do.					.26						T.		.16	.60	.30		T.	.19	.15		.35	.33	.25			.10					.48	3.17
Kayford[2]	Gr. Kanawha	.10						.26		.20				.35				.05		.50	.25	.10		.42	.30			.10		.05			2.68
Lewisburg	Greenbrier	.09						.07				T.	T.	.04	.15	.08	.16	.13	.21		.23		.13	.12			.02		.22			.17	1.82
Logan[2]	Guyandot	.52					.06	.26					T.		.32	.48	.13	.52	.32	T.		1.07	.07	.67	.15			T.	.22	T.		.03	4.82
London Locks[2]†	Gr. Kanawha	.41				T.	.37							.27	.78	.82		.79	.19			.02	2.01	.42	.08			.02	.12			.75	7.05
Madison[2]	Coal	.26						1.15						.04			.10	.62	.31			.85	.27					.10	.22				3.92
Oak Hill	New	.14					.15	.27						.05	.63	.31		.23	.30			.10	1.00	.75	.06				.23			.22	4.14
Pinevillle[2]	Guyaudot	.78					.10	.57					T.	.19	.04	.12	T.	.12	.69	T.		.29	.11	.63	.15				.32				4.11
Point Pleasant[2]	Ohio	.16					.05	.45				T.	T.	.26	.02	1.75	.02	.02	.85	.02	.25	.05	1.38	.17	.64			.27	.03	T.		1.04	7.43
Princeton[2]	New						.04						.02		.01	.86	.01	.52	.29		.09	.05	.35	.08									2.32
Rainelle No. 1	Greenbrier	.10												.10	.03	2.30	.01	.59	.01		.33	.08	.82	.48	.02		T.	.09	.27		.04		§§
Ravenswood Dam 22[2]	Ohio	.03					1.14	.41						.46	.23	1.53			.30		.03	.01	.80	.08	.18			.15		.08		.95	6.38

Continued on next page.

Daily Precipitation for July 1948—Concluded

Stations	Drainage Basin	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Richwood [2]	Gauley	.36					.36	.17						.26	.27	.63	.06	.56				.77	1.49	.36	.08				.09				5.46
Ripley	Ohio						.21	.46						.51	.24	.29	.01	.73			.02	.72	1.12	.45	.09		.18	.02				.85	5.90
Spencer [2]	Litl.Kanawha	.42					.18	.27							.17	1.36	1.45	T.	.70				1.38	.32	.13			.12				.60	7.10
Summersville [2]	Gauley																				.50	1.00	.68	.45			T.	.15			.13	.99	§§
Sutton	Elk						.22	.18				.12	.22	.73	.18		.48	.35	.57			.34	1.73	.35	.55				.11				.68	6.81
Union [2]	New	.10	T				.08	.13	T.			.04			.03	.40	.22	.48	.07		.08	.39	T	.06	.11	.04			.61	.75			3.50
Wayne [2]	Twelvepole						.51						.02		.17	.61		.23	.78	.12	.11	.13	.02	.28	.20							.50	3.68
Webster Springs	Elk			.12			.49	T.					T.	T.	.50	.11	.12	1.05	T	.09	.27	.54	.86	1.93	.40			.07	.11			.69	7.35
White Sulp'r Spgs.	Greenbrier	.06				.03	T.	.41				.02	T.		.23	.04	.08	.15	.04		.40		.03		.02			T.	.05			T.	1.56
Williamson [2]	Big Saudy	.17						.64							.75	2.44	.19	.83	1.25	.33		.40	.25	.28	.24				.21				8.23
Winfield Locks [2]†	Gr. Kanawha	T.					.20	.45								.20		.20	.26			.17	.69	.18	.26			.04	.02			.58	3.25

Except as otherwise indicated, observations are generally made late in the afternoon, near sunset, and precipitation recorded is for the 24 hours ending at the time of observation. [1] First-order Weather Bureau Station; precipitation is for the 24-hour period, midnight to midnight, unless otherwise indicated. [2] Precipitation measured in morning; amount then recorded is for preceding 24 hours. [3] Data for 24 hours ending at 1:30 a. m., adjusted to day they occur. ‡ Precipitation measured with recording gage * Included in the next measurement. T. Trace, 0.005 inch or less. Estimated. † Post Office addresses as follows: Aberdeen, Buckhannon; Benson, Kinchloe; Big Skin Creek, Weston; Browusville, Weston; Cranberry Glades, Mill Point; Dailey, Beverly; Elk, Lost Creek; Hackers Creek, Jane Lew; Knobly Mountain, Keyser; Kumbrabow State Forest, Elkwater; London Locks, London; McNeill, Moorefield; Midvale, Ellamore; Rockford, Lost Creek; Spruce Knob, Circleville; Stony River Dam, Maysville; Vandalia, Roanoke; Winfield Locks, Red House; Fairmont[5], precipitation midnight to midnight. §§ Incomplete.

Daily Temperatures for July 1948

Stations		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Mean
Athens	Maximum	74	78	84	87	90	88	79	74	77	79	78	84	83	79	72	81	84	82	81	82	83	86	80	74	80	86	80	80	83	85	83	81.2
	Minimum	59	43	52	56	59	59	61	47	54	55	53	54	64	65	64	65	65	63	64	61	65	71	63	61	46	60	65	65	63	59	66	59.6
Bayard	Maximum	72	73	81	84	86	80	70	73	77	81	78	82	76	72	69	75	81	78	78	74	78	80	78	69	75	81	78	80	83	84	75	77.5
	Minimum	51	41	41	41	56	60	57	47	44	43	53	58	61	65	62	57	61	60	57	57	60	65	60	57	43	45	60	55	65	54	63	54.8
Bluefield No. 1	Maximum	76	80	81	89	93	92	85	82	82	80	78	84	84	78	74	83	84	87	88	85	84	88	84	79	84	87	86	81	87	87	87	83.7
	Minimum	61	48	57	59	61	62	64	59	58	62	65	68	67	67	66	66	67	65	67	64	63	72	69	63	53	64	68	66	63	63	69	63.4
Buckhannon	Maximum	77	78	85	89	91	85	76	81	84	85	85	85	82	77	81	84	86	84	83	82	81	85	82	75	80	83	81	83	88	88	82	82.8
	Minimum	58	46	53	65	59	64	59	52	54	53	61	64	68	68	64	66	69	65	63	64	66	66	66	61	49	54	65	62	59	60	66	60.9
Charleston Kauawha County Airport	Maximum	79	80	91	93	98	88	77	86	88	87	88	88	85	80	84	84	89	86	86	84	84	85	82	77	82	86	79	83	89	91	78	85.1
	Minimum	59	52	56	61	64	64	63	59	62	58	66	71	69	70	69	71	70	68	70	66	70	72	71	60	58	57	67	65	67	65	67	64.7
Clarksburg No. 1	Maximum	75	81	87	91	91	83	76	85	86	85	86	89	82	79	82	83	88	85	85	82	82	85	82	76	81	82	83	83	89	88	82	83.7
	Minimum	60	51	55	64	62	66	61	53	57	55	63	65	69	69	66	69	72	67	65	66	67	69	69	57	52	55	60	62	63	64	67	62.6
Cranberry Glades	Maximum	72	70	79	82	84	85	83	72	71	74	75	76	78	78	71	68	79	88	78	79	76	82	80	76	70	76	78	81	79	78	81	77.4
	Minimum	48	36	38	51	44	55	54	48	40	41	50	57	61	57	59	45	59	55	49	50	57	61	55	54	39	45	57	54	50	47	57	50.7
Elkins WB Airport	Maximum	72	80	83	86	88	81	73	79	82	85	82	84	80	77	76	81	84	82	81	80	81	84	80	73	78	82	80	81	86	86	77	80.8
	Minimum	50	45	52	61	58	59	54	51	51	50	58	61	66	66	62	65	64	64	61	61	65	65	65	54	51	53	62	60	59	58	64	58.5
Fairmont	Maximum	81	78	88	92	92	86	76	82	85	88	89	91	85	80	85	85	90	89	87	89	81	83	87	82	81	83	85	86	90	90	86	85.3
	Minimum	56	51	58	66	64	65	61	54	58	57	64	66	70	68	68	65	68	67	66	66	66	69	69	58	54	54	64	64	63	64	67	62.8
Flat Top [4]	Maximum	69	74	82	83	86	78	71	71	74	76	73	79	79	74	68	77	81	78	80	79	81	82	75	69	76	81	71	79	82	82	79	77.1
	Minimum	44	39	55	62	55	62	57	56	53	55	61	62	62	64	63	62	64	61	61	59	64	68	62	52	47	58	64	61	57	56	61	58.3
Gary [3]	Maximum	78	83	88	92	93	86	80	81	86	83	81	86	87	83	82	87	89	87	86	86	89	90	84	78	85	90	80	85	89	89	88	85.5
	Minimum	63	51	54	58	62	61	66	57	56	54	63	63	64	68	68	63	67	64	67	65	67	69	70	65	55	58	65	67	65	61	66	62.6
Ienville No. 1	Maximum	78	81	89	92	93	88	80	84	87	86	85	88	82	80	84	82	87	87	85	84	82	85	83	78	81	81	81	85	89	89	85	84.5
	Minimum	60	52	56	64	63	65	61	55	58	56	65	68	70	70	67	67	70	68	67	69	69	68	70	66	55	58	67	63	67	67	70	64.2
Grafton	Maximum	75	80	87	89	90	85	75	83	85	86	86	89	83	80	81	86	87	84	82	80	82	85	83	76	81	83	83	82	89	88	84	83.5
	Minimum	56	48	53	65	63	63	60	49	60	53	60	63	67	68	64	63	67	62	62	63	68	68	63	57	51	59	63	59	62	61	66	60.7
Huntiugtou No. 1	Maximum	87	82	95	97	99	92	87	89	91	88	91	93	92	82	89	86	94	92	89	89	91	89	87	81	85	86	85	91	94	95	87	89 5
	Minimum	65	55	58	61	66	66	65	62	64	64	73	71	70	73	70	69	73	70	71	71	71	76	71	62	58	61	69	68	67	71	70	67.1
Lewisburg	Maximum	78	79	86	90	90	86	79	75	77	83	77	84	88	80	72	77	87	86	84	85	88	87	83	77	79	87	80	85	88	90	85	83 0
	Minimum	58	45	51	57	57	59	59	59	51	51	61	62	62	65	65	65	64	62	61	61	64	67	65	59	48	55	65	65	61	59	59	59.4
Logan [3]	Maximum	82	82	92	97	98	90	82	90	91	87	85	92	91	81	87	86	91	90	90	87	92	89	84	79	85	90	81	88	93	94	79	87.9
	Minimum	64	56	59	63	67	64	67	62	59	68	68	67	70	70	71	67	70	67	69	70	67	73	71	64	60	60	66	68	71	68	71	66.4
Madison [3]	Maximum	80	80	92	94	95	89	80	87	89	87	88	89	90	84	86	85	90	90	89	86	90	89	84	78	84	88	81	86	91	92	84	87.0
	Minimum	64	55	60	60	67	64	65	62	60	58	66	67	68	70	70	66	70	67	69	69	69	73	70	63	58	60	68	68	69	67	71	65.6
Mannington, 1 N.	Maximum	86	83	91	95	93	87	79	86	88	90	90	91	85	84	85	84	90	89	88	86	84	84	87	80	84	83	86	86	90	91	91	87.0
	Minimum	58	48	53	61	60	65	59	48	53	52	58	60	63	65	63	62	68	64	63	64	63	68	68	55	53	55	62	62	60	63	68	60.1
Martinsburg Municipal Airport	Maximum	81	81	86	90	93	90	73	78	82	85	88	89	86	78	79	78	93	90	86	81	90	93	88	82	84	91	87	90	88	96	78	85.6
	Minimum	64	55	63	68	70	68	57	56	49	52	62	65	70	70	67	65	71	69	66	67	67	70	68	61	53	58	69	67	64	68	70	64.2
Middlebourne, 3 SE	Maximum	77	81	90	96	94	85	80	83	86	87	88	88	85	82	85	86	85	88	87	85	85	85	85	78	82	83	85	86	89	91	85	85.5
	Minimum	60	50	57	64	62	63	60	52	56	56	60	66	70	68	65	67	68	67	66	68	66	69	70	58	54	57	64	61	63	66	69	62.2
Morgantown No. 1	Maximum	77	78	86	88	90	84	73	81	82	88	89	91	81	80	80	83	85	86	86	79	85	81	83	78	81	81	83	84	85	90	89	83.5
	Minimum	66	55	61	68	65	64	62	53	58	59	69	68	70	67	65	66	70	67	67	68	68	70	69	60	55	58	65	62	82	83	65	65.3
New Martinsville	Maximum	80	84	95	97	92	87	81	86	88	92	90	91	85	83	87	89	93	92	90	85	83	83	85	82	86	85	89	87	93	92	89	87.8
	Minimum	60	53	58	67	63	65	61	55	57	59	61	66	70	68	66	66	70	69	67	68	67	70	68	58	55	57	64	62	65	67	70	63.6
Parkersburg WB City	Maximum	76	80	91	95	91	88	80	83	86	87	87	87	86	81	85	85	90	89	88	85	84	86	85	78	83	85	85	88	92	93	87	86.0
	Minimum	60	53	59	65	65	68	63	57	65	65	67	70	70	69	67	70	71	71	72	70	71	68	67	61	55	61	66	64	67	71	71	65.8
Petersburg WB City	Maximum	81	81	90	91	93	91	79	80	83	87	87	89	88	74	75	79	92	89	81	80	85	89	87	82	82	90	87	90	88	93	78	85.2
	Minimum	56	49	60	66	64	66	62	54	51	50	62	65	70	69	66	65	67	67	63	64	67	69	67	58	52	56	67	66	62	63	68	62.3
Point Pleasant	Maximum	78	79	92	93	96	92	86	86	89	90	88	92	89	83	87	85	92	90	91	85	87	86	85	77	84	84	85	90	94	94	94	87 8
	Minimum	60	55	60	63	67	68	62	59	63	65	69	70	72	72	67	69	71	70	72	71	72	70	72	60	58	62	67	69	68	71	71	66.6
Rainelle No. 1	Maximum	75	80										79	82	86	78	74	75	87	84	85	83	87	85	81	76	83	86	78	83	89	89	82	..
	Minimum	59	45										47	60	61	63	63	65	64	59	60	63	62	65	64	60	61	70	61	60	59	58	60	...
Spencer	Maximum	76	78	89	91	92	87	79	83	85	83	84	88	88	85	77	83	87	85	85	85	83	86	82	75	78	80	80	85	88	89	81	83.7
	Minimum	61	50	56	60	62	65	60	55	59	59	60	61	66	70	70	66	68	70	69	68	71	68	70	61	53	57	66	65	65	68	69	63.5
Summersville [3]	Maximum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	87	82	83	84	84	70	89	84	85	81	86	87	87	77	....
	Minimum	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	....	52	59	62	64	62	58	48	51	62	57	55	55	64	61	....
Sutton	Maximum	82	82	91	94	95	95	92	82	88	91	91	88	89	89	85	87	92	92	92	91	90	87	87	86	84	85	85	88	92	93	93	89.0
	Minimum	59	56	49	60	61	64	60	58	54	53	62	61	65	65	63	65	66	69	63	62	64	63	63	60	50	53	62	60	62	59	66	60.1
Wardensville [3] R.M. Farm.	Maximum	80	80	90	88	93	88	75	78	81	84	87	89	86	73	74	78	89	87	83	81	87	88	86	78	82	88	86	88	88	90	75	83.9
	Minimum	59	47	55	65	64	67	61	54	45	47	53	59	65	68	66	62	66	63	58	62	64	70	64	59	49	53	66	63	60	64	67	60.2
Wheeling Warwood Dam 12 [3]	Maximum	76	80	90	93	93	83	78	83	87	88	89	89	88	84	87	86	90	90	89	83	82	84	83	77	82	82	85	84	90	90	85	85.5
	Minimum	58	52	55	62	65	67	62	55	59	60	62	64	70	71	65	67	68	69	61	70	70	71	59	56	58	65	63	62	63	69	69	63.5
White Sulphur Spgs.	Maximum	80	81	88	93	93	88	84	78	78	81	80	84	82	81	79	80	88	86	86	85	90	90	84	83	83	90	85	89	90	93	89	85.2
	Minimum	58	46	51	45	54	47	60	51	48	48	63	65	60	62	63	64	63	60	66	61	72	67	63	70	64	77	60	60	60	61	60	59.6
Williamson [3]	Maximum	82	84	95	96	99	93	83	88	91	90	87	92	91	80	87	89	92	91	90	92	94	91	86	80	86	93	81	88	94	96	82	89.1
	Minimum	66	55	58	61	66	64	68	61	61	61	64	65	70	70	68	67	70	68	68	69	63	70	70	63	60	60	63	63	67	68	70	65.1

Daily Evaporation (inches) and Wind Movement (miles) for July 1948

		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
Clarksburg No 1	Evaporation	.073	.270	.140	.257	.188	.256	.437	.175	.165	.248	.191	.096	.042	.190	.108	.174	.183	.176	.180	.134	.071	....	.176	.203	.171	.145	.126	.169	.122	.112	.212	5.362
	Wind movement	37	75	32	61	28	52	83	51	33	30	25	26	30	39	30	47	26	61	12	29	30	44	33	39	56	24	55	39	42	22	58	1279
Wardensville R. M. Farm	Evaporation	.164	.261	.082	.254	.207	.146	.408	.060	.209	.371	.161	.162	.263	.183	.001	.092	.062	.132	.302	.161	.098	.151	.175	.140	.251	.184	.105	.098	.291	.120	.271	5.568
	Wind movement	18	22	12	24	10	28	20	43	7	30	15	16	26	11	19	14	16	22	8	10	4	13	8	16	20	11	24	8	7	8	14	504

[3] Instruments are read in the morning; the maximum temperature then read is charged to the preceding day, on which it almost always occurs.
Italic figures indicate values interpolated from nearby stations. * Included in the next measurement. Bold face figures indicate minus quantity.

(WBO, Philadelphia, Pa.—11-23-48—1050)

551.05
UNWE

U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA

THE LIBRARY OF THE
APR 13 1949
UNIVERSITY OF ILLINOIS

AUGUST 1948

Volume LVI No. 8

WASHINGTON: 1948

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

WEST VIRGINIA - AUGUST 1948

V. T. Horn, Section Director - Parkersburg

GENERAL SUMMARY

The chief characteristics of the first and second decades of the month were rather frequent showers, moderate daytime temperatures, cool nights and heavy morning dews. The third decade became hot and relatively dry.

The temperature averaged about four degrees below normal for the first two weeks. The third week was nearly normal. The final ten days of the month were quite hot with maximum temperatures frequently in the 90's; a few stations reported 100° or more. Night-time temperatures and humidity were also high during this period.

The first two weeks had ample precipitation. In the third week showers became less frequent, especially so in the southern division. The fourth week was generally dry. Moderate to heavy showers occurred at most stations on the last two days of the month with very little storm damage reported during the month. During a thunderstorm on the 11th at Parkersburg two residences were struck by lightning with resultant small damage. On the 30th, a barn near Belleville was struck by lightning and burned; a horse within the barn was killed by the bolt and a man was seriously injured when the stricken animal fell on him.

The weather was extremely favorable to crop growth all month. Corn and tobacco were probably most benefited although pastures and hay crops were greatly increased. The weather was not too favorable for harvesting until the third decade of the month. During the month summer apples and a large percentage of the peach crop were gathered while in the last ten days second and, in some places, third cuttings of hay were made. Threshing of small grains neared completion as the month ended.----C.L.W.

TEMPERATURE

The average for the northeastern panhandle division was 70.8°; for the northern division, 71.4° and for the southern division 71.8°. The highest temperature was 105° at Charleston No 1 on the 28th and 29th. The lowest temperature was 36° at Cranberry Glades on the 7th and 9th. The highest monthly average was 76.0° at Huntington No 1 and the lowest 62.2° at Canaan Valley.

PRECIPITATION

The average for the northeastern panhandle division was 4.05 inches, or 0.24 inch above normal; for the northern division, 3.90 inches or 0.29 inch below normal; and for the southern division, 3.79 inches or 0.34 inch below normal. The greatest monthly precipitation was 8.19 inches at Princeton, and the least was 1.04 inches at Huntington No 2. The greatest amount in 24 hours was 4.62 inches at Morgantown, Lock 10, on the 5th.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

STATIONS	SEA LEVEL PRESSURE EXTREMES—INCHES				WIND				RELATIVE HUMIDITY AVERAGES				SUNSHINE	DEGREE DAYS 65° BASE
	HIGHEST	DATE	LOWEST	DATE	AVERAGE SPEED M.P.H.	MAXIMUM SPEED M.P.H.	DIRECTION	DATE	1:30A EST	7:30A EST	1:30P EST	7:30P EST	PERCENT OF POSSIBLE	
ELKINS	30.29	28	29.80	4	4.3	28	W	18	98	97	58	83	67	29
PARKERSBURG	30.22	27	29.83	4	4.8	18	NW	4	-	-	-	-	74	2

TABLE 1
COMPARATIVE DATA

YEAR	TEMPERATURE			PRECIPITATION					
					DIVISION				
	MEAN	HIGHEST	LOWEST	AVERAGE	NORTH-EASTERN	NORTHERN	SOUTHERN	AVERAGE SNOWFALL	Days, .01 or more
1891	69.8			5.48	3.48	6.10	4.73	0.0	7
1892	72.1	96	41	2.55	1.65	2.73	2.71	0.0	
1893	70.8	98	41	3.38	3.43	3.17	3.84	0.0	
1894	71.5	103	38	2.07	1.35	2.28	1.88	0.0	6
1895	73.3	104	40	3.01	2.84	2.45	3.97	0.0	8
1896	72.6	97	40	2.82	1.85	2.54	3.22	0.0	7
1897	70.9	100	42	2.91	2.33	3.24	2.86	0.0	9
1898	73.7	96	44	7.51	7.40	7.63	6.86	0.0	12
1899	73.5	100	34	2.64	3.04	2.17	2.70	0.0	6
1900	76.0	100	45	3.15	1.48	3.38	3.37	0.0	8
1901	73.6	98	43	5.14	6.57	4.40	5.41	0.0	12
1902	70.4	98	35	2.40	2.31	2.82	1.97	0.0	7
1903	71.4	105	38	2.64	3.67	2.61	2.34	0.0	8
1904	70.7	95	32	2.88	1.98	2.60	3.52	0.0	9
1905	71.3	96	40	4.25	4.70	4.28	4.08	0.0	9
1906	75.4	98	47	5.15	7.19	4.92	4.77	0.0	13
1907	69.4	93	41	4.64	3.51	4.24	5.40	0.0	11
1908	70.9	101	37	2.82	3.50	2.62	2.74	0.0	7
1909	70.8	99	37	3.03	2.77	3.79	2.43	0.0	6
1910	70.8	98	39	2.03	1.60	1.99	2.09	0.0	5
1911	73.5	105	40	6.71	8.50	7.40	5.67	0.0	12
1912	69.3	95	35	3.64	2.20	3.57	4.35	0.0	11
1913	72.7	102	37	3.18	3.09	2.86	3.42	0.0	6
1914	71.8	100	40	4.86	3.84	5.29	4.68	0.0	10
1915	69.4	99	36	4.84	6.99	5.24	8.65	0.0	14
1916	72.9	104	40	4.76	2.35	4.73	5.67	0.0	10
1917	71.6	102	39	3.53	4.06	4.15	2.76	0.0	8
1918	76.0	110	43	3.96	3.83	4.19	3.82	0.0	9
1919	70.2	100	40	4.54	2.64	5.43	4.28	0.0	11
1920	71.1	95	42	4.27	5.98	4.19	3.86	0.0	14

YEAR	TEMPERATURE			PRECIPITATION					
					DIVISION				
	MEAN	HIGHEST	LOWEST	AVERAGE	NORTH-EASTERN	NORTHERN	SOUTHERN	AVERAGE SNOWFALL	Days, .01 or more
1921	69.7	98	37	5.20	4.39	5.55	5.01	0.0	9
1922	68.9	98	31	3.87	2.82	3.64	4.47	0.0	10
1923	71.0	99	33	4.39	3.00	4.66	4.60	0.0	10
1924	71.7	104	34	4.63	2.65	4.77	5.21	0.0	9
1925	70.7	100	33	1.86	2.56	1.89	1.58	0.0	7
1926	74.0	105	38	6.94	7.86	6.91	6.69	0.0	13
1927	67.1	94	34	4.33	3.35	4.20	4.89	0.0	11
1928	74.0	103	39	5.36	5.70	5.23	5.44	0.0	14
1929	69.1	101	33	3.31	1.59	3.66	3.61	0.0	7
1930	70.7	112	30	2.20	2.24	1.93	2.93	0.0	8
1931	71.6	102	39	6.38	4.91	6.56	6.65	0.0	14
1932	72.1	104	38	3.04	2.33	3.55	2.58	0.0	6
1933	71.5	102	38	5.38	6.31	5.68	4.55	0.0	11
1934	71.6	99	35	5.37	4.08	5.73	5.40	0.0	11
1935	73.2	101	33	6.71	4.48	8.02	5.57	0.0	12
1936	75.2	105	36	3.96	3.50	4.29	3.65	0.0	11
1937	74.4	101	40	5.83	8.42	5.11	5.90	0.0	13
1938	73.7	100	35	2.58	2.54	2.19	3.19	0.0	8
1939	72.7	99	35	2.19	2.44	2.09	2.27	0.0	8
1940	71.4	98	34	4.83	4.81	4.41	5.47	0.0	11
1941	71.2	102	32	4.80	4.63	5.59	3.69	0.0	9
1942	71.1	100	30	7.22	7.44	7.24	7.08	0.0	14
1943	72.3	105	38	3.95	2.26	5.15	3.13	0.0	9
1944	72.2	105	32	2.96	2.01	3.14	3.09	0.0	10
1945	71.0	98	31	3.72	3.77	4.30	2.77	0.0	7
1946	67.4	98	30	2.75	3.25	2.64	2.63	0.0	7
1947	75.8	101	39	4.65	3.35	4.23	5.67	0.0	11
1948	71.5	105	36	3.89	4.05	3.90	3.79	0.0	10
Period	71.8	112	30	4.09	3.81	4.20	4.13	0.0	10

TABLE 2
CLIMATOLOGICAL DATA

WEST VIRGINIA

AUGUST 1948

STATION	TEMPERATURE, IN DEGREES FAHRENHEIT						NO. OF DAYS		PRECIPITATION, IN INCHES							NO. OF DAYS		
	MEAN	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	MAX. 90° OR ABOVE	MIN. 32° OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOWFALL (UNMELTED) TOTAL	GREATEST DEPTH ON GROUND	DATE	.01 INCH OR MORE	.25 INCH OR MORE	1.00 INCH OR MORE
NORTHEASTERN PANHANDLE DIVISION																		
BAYARD	64.8	-1.0	95	27	43	8	2		4.09	- .29	.77	11				10	6	
BRANDYWINE	70.2c	0.3	97	27	44	7	6		6.98	3.40	1.85	17				11	9	2
BRUSHY RUN									2.50		1.12	1				11	4	1
FRANKLIN									4.46		1.43	7				13	5	1
HARPERS FERRY									4.68	.69	1.50	1				10	6	1
HARRISON									3.39		1.04	5				10	4	1
INWOOD	72.6		103	27	54	16	6		2.59	-1.34	.73	12				12	3	
KEARNEYSVILLE	73.0	-1.3	99	28	50	6	6		4.48	.73	1.04	9				11	6	1
KNOBLY MOUNTAIN									2.66		.81	5				8	4	
MARTINSBURG MUNICIPAL AP	72.6	-0.4	99	28	55	6+	6		4.09	.03	.88	11				11	6	
MATHIAS									4.71		.90	19				12	6	
MC NEILL 2 NE	70.4a	-0.9	101	28	45	6	7											
MOOREFIELD	72.8		101	27+	49	6	8		4.37		1.42	12				13	4	2
OMPS									2.45		.95	19				5	4	
PETERSBURG WB CITY	70.2		99	27+	50	6	6		2.51		.55	11				15	4	
PIEDMONT	71.6	1.1	99	28	49	6	5		2.53	-1.06	.72	5				12	4	
ROMNEY	71.2	-1.4	101	28	48	6	7		3.61		1.14	30				16	4	1
SPRINGFIELD									2.86		.71	12				6	6	
SPRUCE KNOB									6.45	.80	1.82	1				13	9	2
STONY RIVER DAM									5.46		1.44	12				10	6	3
WARDENSVILLE R M FARM	69.6	0.1	97	29	48	6+	6		6.14	2.51	1.56	12				15	6	3
DIVISION	70.8		103	27	43	8	6		4.05		1.85	17				11	5	2
NORTHERN DIVISION																		
ABERDEEN									5.82	1.34	2.09	5				12	6	2
ALPENA									5.34		1.43	1				14	9	1
ARNOLD									4.17		1.20	5				7	5	2
BELINGTON									3.11		.98	1				10	4	
BELLEVILLE DAM 20 LOWER									2.17	-1.62	1.08	31				6	3	1
BENSON	72.4	1.7	101	27	46	6	9		2.17	-2.28	.68	5				10	3	
BENS RUN	74.7	1.1	100	27	51	6	7		4.34	.10	1.35	18				9	5	2
BERLIN									5.74		2.85	5				10	7	1
BIG SKIN CREEK									4.54		2.15	5				13	5	1
BRANDONVILLE	67.8		96	28	44	6	5		3.19	-1.42	1.08	19				7	5	1
BROWNSVILLE	72.6	0.4	102	27	48	6+	7		3.30	- .97	1.20	5				8	5	1
BRUSHY FORK									3.57		.85	3				14	5	
BUCKHANNON	69.6	-0.3	95	27	47	7+	5		7.88	3.79	2.57	5				14	7	3
CAIRO 3 S	71.7	-0.8	101	27	45	17	7		2.25	-1.62	1.40	5				4	3	1
CANAAN VALLEY	62.2		90	27	39	8+	1		3.81		1.02	1				16	6	1
CLARKSBURG BENEDUM FIELD	69.8		98	27	47	8	4		3.48		1.11	30				10	6	1
CLARKSBURG NO 1	70.9	-1.1	98	28	49	6+	5		4.12	- .36	1.02	4				12	6	1
CLARKSBURG NO 2									4.26		1.22	5				14	7	1
COBURN CREEK									2.08		1.00	18				7	3	1
CRAWFORD									4.96	.38	1.66	30				12	8	1
CRESTON									3.10		.95	5				5	5	
DAILEY									6.51		1.65	31				12	7	3
DAVIS									3.44		.70	11				15	7	
DAVISSON RUN									2.57		.51	5				12	4	
DUCK CREEK									3.54		.74	19				12	5	
ELK																		
ELKINS NO 1									4.49		1.48	5				7	5	2
ELKINS WB AIRPORT	67.8	-0.5	95	27	46	7	3		4.66		1.24	1				13	6	1
									3.66	- .20	.88	3				13	6	

See reference notes following Station Index

TABLE 2 — Continued
CLIMATOLOGICAL DATA

STATION	TEMPERATURE, IN DEGREES FAHRENHEIT						NO. OF DAYS		PRECIPITATION, IN INCHES							NO. OF DAYS		
	MEAN	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	MAX. 90° OR ABOVE	MIN. 32° OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOWFALL (UNMELTED) TOTAL	GREATEST DEPTH ON GROUND	DATE	.01 INCH OR MORE	.25 INCH OR MORE	1.00 INCH OR MORE
FAIRMONT	72.6	-0.1	100	27+	50	6	7		3.31	- .69	1.63	4				7	3	1
FINK RUN									7.93		2.45	5				14	7	3
FREEMANSBURG											1.57	18				9	4	2
GLENVILLE NO 1	72.7	-1.2	96	27	50	6	5		2.10	-2.13	.39	5				11	5	
GLENVILLE NO 2									2.10		.39	5				11	5	
GRAFTON	70.1	-1.3	98	27	47	6	5		1.83	-1.88	.55	11				10	2	
GRANTSVILLE	74.5		100	29	49	6	9		3.33		1.00	30				8	5	1
HACKERS CREEK									3.79		.65	30				8	7	
HALL									4.60		2.57	5				10	5	1
HASTINGS									3.68	-1.45	1.38	5				12	3	1
HORNER									4.26	- .62	2.03	5				9	5	1
HOULT LOCK 15 LOWER									4.44	.31	2.30	5				7	4	2
HUNDRED									3.38		1.33	4				8	4	1
IRELAND									1.44		.59	5				5	3	
ISAACS CREEK									2.95		1.05	18				9	3	1
JANE LEW									3.17	-1.65	.81	19				12	4	
JESSE RUN									3.84		1.63	5				10	4	1
KUMBRABOW STATE FOREST	62.7		91	27	40	7	1		6.45		1.11	13				15	9	1
LAKE FLOYD									2.64		.68	5				7	5	
LAKE LYNN									4.20		2.56	5				9	3	1
LITTLE SKIN CREEK									4.11		2.09	5				12	5	1
LOCKNEY									2.17		.45	4				10	5	
MAC FARLAN									2.55		.93	4				7	5	
MANNINGTON 1 N	72.8	2.6	101	27	46	6	7		2.59	-1.49	1.00	5				11	2	1
MANNINGTON NO 2									2.50		.82	5				7	3	
MC MECHEN DAM 13 LOWER									3.00	- .37	1.48	5				8	4	1
MIDDLEBOURNE 3 SE	72.2		100	28	48	6	6		3.95		1.18	12				7	4	1
MIDVALE									5.06		1.10	30				15	7	1
MORGANTOWN MUNICIPAL AP	70.9		98	27	52	6	4		4.53		2.53	4				11	3	2
MORGANTOWN NO 1	72.0		97	27	53	6	5		6.09	2.08	4.18	5				10	3	2
MORGANTOWN LOCK 10 LOWER	72.6		101	28	52	7	7		5.46	1.40	4.62	5				9	2	1
MOUNT CLARE									4.24		1.00	17				8	8	1
NEW CUMBERLAND DAM	72.6	1.8	101	27	49	9+	7		4.89	1.50	1.69	12				9	5	2
NEW MARTINSVILLE	74.6	0.9	102	27	49	6	9		3.82	- .07	2.12	5				8	3	1
PARKERSBURG WOOD CO AP	72.9		99	27+	52	6+	6		3.37		1.04	18				7	4	1
PARKERSBURG WB CITY	73.5	-0.4	100	27	52	6	6		2.89	- .62	.79	18				8	5	
PARSONS	70.0	0.6	96	27	48	7	5		2.83	-1.22	.95	21				14	4	
PHILIPPI									4.07	- .17	1.37	12				12	4	2
PICKENS NO 2									8.18	2.71	1.45	1				15	10	4
POLK CREEK									3.68		1.13	30				11	4	1
RIGHT FORK STONECOAL CREEK									5.28		2.47	5				10	6	1
ROANOKE									4.53	.19	1.35	30				11	5	2
ROCKFORD									3.73		1.35	5				8	5	1
ROHRBOUGH									3.03		1.00	5				8	4	1
ROWLESBURG NO 1	69.9		98	28	52	7	6		5.85	1.32	1.26	22				9	7	2
ROWLESBURG NO 2									5.36		1.26	22				6	6	2
SAND FORK									3.16		.76	5				13	5	
SHINNSTON									2.87		1.34	5				6	4	1
SMITHBURG									3.44		1.18	4				7	4	1
SUGARCAMP RUN									4.08		1.19	11				7	7	1
SYCAMORE CREEK									2.77		.71	13				7	5	
THOMAS									3.63	-1.46	.79	4				12	6	
TYGART DAM									2.92		1.11	4				10	3	1
UPPER DAVISSON RUN									4.19		1.40	3				11	5	2
UPPER SYCAMORE CREEK									2.52		.63	5				8	3	

See reference notes following Station Index

TABLE 2 — Continued
CLIMATOLOGICAL DATA

STATION	TEMPERATURE, IN DEGREES FAHRENHEIT						NO. OF DAYS		PRECIPITATION, IN INCHES							NO. OF DAYS		
	MEAN	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	MAX. 90° OR ABOVE	MIN. 32° OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	SNOWFALL (UNMELTED) TOTAL	GREATEST DEPTH ON GROUND	DATE	.01 INCH OR MORE	.25 INCH OR MORE	1.00 INCH OR MORE
VALLEY CHAPEL	73.8	1.3	103	27	48	6	10		4.43	.27	1.55	19				10	4	2
VALLEY HEAD									5.85		1.84	12				14	7	2
VANDALIA									4.68	.48	1.82	5				11	5	2
VIENNA BRISCOE	73.8		99	27	47	6	6				1.26	11				7	4	3
WASHINGTON DAM 19 LOWER									2.22	- 1.44	.51	5				7	5	
WELLSBURG 3 NE	72.5	2.2	100	27+	49	6+	6		4.89	1.33	1.65	5				7	5	2
WEST MILFORD									3.78	- .84	1.07	12				10	4	1
WESTON	73.0	0.3	100	28	50	6+	8		3.41	- .29	.81	5				13	5	
WHEELING OHIO CO AP	71.6		99	27	51	6	7		3.72		1.18	11				7	3	2
WHEELING WARWOOD DAM 12 L	73.2	0.4	99	28	53	6	7		3.31	- .84	1.76	5				7	3	1
DIVISION	71.4		103	27	39	8+	6		3.90		4.62	5				10	5	2
SOUTHERN DIVISION																		
ALDERSON	71.6a		98	28	47	7	7											
ARBOVALE									4.61	.30	1.24	11				12	6	2
ATHENS	67.9		91	28	44	7	2		6.73		1.65	1				13	7	3
BARTOW							2		6.05	.81	1.69	12				10		
BECKLEY V A HOSPITAL	68.6	- 0.7	94	29	44	7	4		5.13	1.29	1.98	16				10	6	2
BLUEFIELD NO 1	70.6	0.1	94	28	48	7	4		4.11	.50	1.87	1				10	5	1
BLUEFIELD NO 2									3.98		1.06	2				14	5	1
BLUESTONE DAM	74.6		103	29	52	6+	11		4.00		.95	2				9	5	
BRANCHLAND									3.16		1.50	30				8	4	1
CABWAYLINGO STATE FOREST	72.6		98	28	51	8	8		2.10		.71	3				6	3	
CAMDEN ON GAULEY									7.58	2.09	2.60	5				10	7	3
CHARLESTON-KANAWHA CO AP									3.51		.81	31				8	6	
CHARLESTON NO 1	75.5	0.2	105	28+	51	6	14		3.83	- .64	1.26	31				10	5	1
CHARLESTON NO 3									4.94		1.23	30				14	8	1
COALWOOD	73.0		98	28	50	7	8		2.38		.51	3				9	4	
CRANBERRY GLADES	66.6		89	29	36	7+			5.27		1.20	1				16	8	1
FLAT TOP	64.8	- 1.0	89	28	42	7+			2.67	- 1.52	1.05	1				8	4	1
GARY	71.8	- 0.2	96	29	50	7	5		4.09	- .02	1.24	4				10	5	1
HAMLIN	72.4		100	29	52	7+	9		2.92		1.13	30				6	4	1
HINTON NO 1	74.2	0.9	101	29	52	6+	10		5.23	1.07	.88	1				13	7	
HOGSETT GALLIPOLIS DAM L									2.51	- .65	.84	4				7	4	
HUNTINGTON NO 1	76.0	1.2	102	27+	55	6+	11		1.51	- 2.19	.56	31				6	2	
HUNTINGTON NO 2									1.04		.50	4				6	1	
KAYFORD									2.88	- 1.95	1.00	1				5	5	1
KERMIT									2.18		.72	4				5	4	
LAKIN									1.75		.46	31				6	4	
LE SAGE-GREENBOTTOM	74.8g		100	26+	51	6	12		1.78		.54	5				5	4	
LEWISBURG	69.4a		95	28	45	7	4		3.80	- .15	1.10	1				13	5	1
LINDSIDE									4.94		1.59	4				8	6	2
LIVERPOOL									2.54		.78	11				9	3	
LOGAN	75.5	0.5	101	29	55	7+	10		2.62	- 1.87	.77	18				6	4	
LONDON LOCKS LOWER	73.5	- 2.0	100	29	53	6+	9		4.15	- .14	.92	4				8	7	
MADISON	74.4		98	29	54	7	8		3.33	- .49	2.29	4				7	3	1
MAN									1.06		.65	3				2	2	
MARLINTON									4.42		1.49	4				13		1
NAOMA									4.78		1.80	4				5	4	2
OAK HILL	69.4a		93	28+	49	7	4		7.12		2.31	5				12	5	3
PINEVILLE	71.1		97	28+	48	6	7		2.88		1.10	4				8	4	1
POINT PLEASANT	74.7		100	27+	53	6	8		1.95	- 1.26	.92	31				6	3	
PRINCETON									8.19		1.70	5				10	8	6
RAINELLE NO 1	67.8	- 0.5	97	28	44	7	3		6.18	.40	.93	16				11	9	
RAVENSWOOD DAM 22 LOWER	73.2	0.3	101	28	48	6	9		1.70	- 1.65	.47	12				8	3	

See reference notes following Station Index

TABLE 2 — Continued
CLIMATOLOGICAL DATA

STATION	TEMPERATURE, IN DEGREES FAHRENHEIT						NO. OF DAYS		PRECIPITATION, IN INCHES				SNOWFALL (UNMELTED)			NO. OF DAYS		
	MEAN	DEPARTURE FROM NORMAL	HIGHEST	DATE	LOWEST	DATE	MAX. 90° OR ABOVE	MIN. 32° OR BELOW	TOTAL	DEPARTURE FROM NORMAL	GREATEST DAY	DATE	TOTAL	GREATEST DEPTH ON GROUND	DATE	.01 INCH OR MORE	.25 INCH OR MORE	1.00 INCH OR MORE
RENICK									4.55		.95	1				11	6	
RICHWOOD	66.6	- 3.8	93	27	40	7+	2		5.74	.58	1.12	4				11	8	2
RIPLEY	73.4		101	28	48	6	9		1.90		.75	31				10	3	
SPENCER	71.4	- 0.9	95	28+	48	6	5		3.20	- .77	1.13	31				8	4	1
SUTTON	74.2	1.1	101	27+	47	7+	11		4.78	.53	1.32	12				10	7	1
UNION	68.8	- 1.4	94	29	45	7	4		4.26	.33	1.45	1				10	5	2
WAYNE									2.01	-2.24	1.33	30				5	2	1
WEBSTER SPRINGS	70.4		95	27	50	7	4		6.53		1.23	12				14	9	1
WHITE SULPHUR SPRINGS	70.7	0.4	97	28	45	7	7		4.48	.89	1.05	1				12	7	1
WILLIAMSON	75.2	0.4	100	28+	55	7+	11		2.89	-1.10	.90	4				7	4	
WINFIELD LOCKS	74.4		100	27+	54	6+	9		3.53	- .14	1.10	4				7	4	1
YAWKEY									1.56		.72	3				7	2	
DIVISION	71.8		105	28+	36	7+	7		3.79		2.60	5				9	5	2
STATE	71.5		105	28+	36	7+	7		3.89		4.62	5				10	5	2

See reference notes following Station Index

Table 3-

DAILY PRECIPITATION

WEST VIRGINIA

AUGUST 1948

Station	Day of Month																														
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Total
ABERDEEN	.49		T		2.09	.01			.24			.28					.11	.13	1.34			.04							.57	.40	.12	5.82
ALDERSON	1.50			.70	.42							.25		T				-												.80	-
ALPENA	1.43	.07		.61	.42	.04						.38	.12	.08					.44	.06	.77	.40								.25	.27	5.34
ARBOVALE	.17		.54	1.10	T					.10	1.24	.06	T				.30	.20	.30	.15	.40							.05	T	T	4.81
ARNOLD			.20		1.20						.19	.35	.54				T	.60											1.09	T	4.17
ATHENS	1.65	.69	1.54	.40	.74	T				.01	.05	.31		T				.03												.03	.01	6.73
BARTOW	•	1.19	.10	.65	.62							1.69					.24	.34	.92		.01			1.26					.30		8.05
BAYARD	.61		.04		.45						.77	.56					.74	.09		.10									.03		4.09
BECKLEY V A ROSPITAL	.35		.26	.17	1.38	T	T				T	.34				1.98	.05	.07	.43									.70			5.13
BELINGTON	.98			.04	.39	.21						.10						.36	.73		.06								.21	.03	3.11
BELLEVILLE DAM 20 LOWER					.44	.15					T	.35		.10	T			.05												1.08	2.17
BENSON			.16		.68						.02	.55	.02	.03			.11		.15		.43								.02			2.17
BENS RUN					1.26	.02					.49	.60	.09	.05				1.35	.02										.46	T		4.34
BERLIN	.49				2.85	.35				T	.04	.35		.02			T	.06	.77	T									.35	.46	5.74
BIG SKIN CREEK	.31		.03	.23	2.15						.11	.31		.22			.24		.03	.02									.37	.47	.05	4.54
BLUEFIELD NO 1	1.87	.08	.21	.60	.29							.38	T			.03	.13	.05					T	.47							.54
BLUEFIELD NO 2	.70	1.06	.11	.62	.46	.06						.11	.35				.10	.03	.13	.01		.03		.21						T	4.11
BLUESTONE DAM	.55	.95	.06	.79	.51	T						.80	.03			T	T	T	.08			.23									3.98
BRANCHELAND	.08			.55	.51	.01						.03		.08																	4.00
BRANDONVILLE					.78	.06		T	T		.51							1.08	.11										1.50	.40	3.18
BRANDYWINE	.59		.25	.12							.75	.65					1.85	.22	.55	T	T	T							.38	.29	3.19
BROWNSVILLE	.21		.03		1.20							.50		.30															.40	1.25	.35	6.98
BRUSHY FORK	.09	T	.85	.01	.77	.01			T		.07	.57			.05		.16	.10	.49	.01			T	T					.37	.63	.06	3.30
BRUSHY RUN	1.12	.05		.12	.28	T							T					.04	.32	.04	.05								T	.33	.08	3.57
BUCKHANNON	.30		.04		2.57	.01			.12		.52	.14		.01			1.20	.27	.02		2.00								.06	.10	.32	2.50
CABWAYLINGO STATE FRST	.07		.71		.50						.11							.15	.56										.53	.12	.03	7.88
CAIRO 3 S					1.40						.50	.33						.02														2.10
CAMDEN ON GAULEY	1.32			.40	2.60	.70					.08	1.07		.32			.02		.93													2.25
CANAAN VALLEY	1.02	.02	.28	.02	.42						.04	.66		.07			.38	.11	.10	.07	.09									.14		7.58
CHARLESTON KANAWHA AP			.65		.63						.02	.25		.38															.23	.04	.28	3.81
CHARLESTON NO 1	.11		.11	.52	.67	.01						.18		.32					.05										.87	.12	.81	3.51
CHARLESTON NO 3 r			.48	.34	.31	.02	.12		.48	.50	.11	.02	.05	.10																.60	1.26	3.83
CLARKSBURG RENEDUM FLD			.66	.30	.27				.11		.35	.15				.07	T	.38											.75	1.23	.43	4.94
CLARKSBURG NO 1	.06			1.02	.62	.08						.65	.14	.11			.40		.45			.07							.08	1.11		3.48
CLARKSBURG NO 2 z	.02		.89	.02	1.22	.02					.37	.26		.04			.15	.25	.28		.24								.05	.45	T	4.28
CLAY NO 2 r	.13		.30	.07	.44			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-									
COALWOOD	.48		.51	.40	.22						.04	.40				T	.04	.17											.27		.07	-
COBURN CREEK			.40	.25	.05												.10	1.00	.20						T						.12	2.38
CRANBERRY GLADES	1.20	.03	.03	.72	.39	.05					.03						.26	.40	.90			.15	.10	.16							.08	2.08
CRAWFORD	.56		.27	T	.80						.28	.40		.31				.22	.29		.10								.27	.43	5.27
CRESTON					.95	.26						.73		.31					T									.05	1.66	.02	4.96
DAILEY	1.14	.05		1.03	.45	.11						.86	.03	.04				.14	.46		T								T	.85	3.10
DAVIS r	.35		.33	.05	.26	.02	.02			.10	.70	.44						.12		.06	.11								.55	1.65	8.51
DAVISSON RUN			.10	.01	.51	.01						.50		.11			.14	.51	.15							.08	.37	.08	.36	.11	.41	3.44
DUCK CREEK	.03			.20	.41	.13						.70	.02	.01			.08		.74	.04										.50	.68	3.54
ELK			.40		1.48				.11			.17						1.35	.43													2.57
ELKINS NO 1	1.24	.06		.88	.26	.15			.08			.51	.01	.24	T			.08	.47		T								.55			4.49
ELKINS WB AIRPORT z	.37		.88	.05	.36			T			.39	.13	.15	.09			.08	.47		T									.60	.08	4.68
FAIRMONT				1.63	.62						.16	.23	T					.15											.60	.02	.07	3.86
FINK RUN	.32		.06		2.45	.07			.14		.34	.14	.02				1.18	.66	.04		1.76								.02	.50	T	3.31
FLAT TOP z	1.05		.25	.62	.19						T	.26				.06					.22							.64	.11		7.93
FRANKLIN r	.57		.32	.09			1.43	.19						.23			.65	.54	.14	.05										.02	2.67
FREEMANSBURG r	-	-	.01	.19	.39						1.02	.27					.09	1.57	.09									.10	.05	.10	4.46
GARY z	.90	.50		1.24	.13	.15						.40	.15				T		.04									.03			-
GLENVILLE NO 1	.26			.05	.39	.17						.20		.38			T	.03	.26	.03				.16					T	.42	4.09
GLENVILLE NO 2	.26			.05	.39	.17						.20		.38			T	.03	.26	.05									.01	.30	2.10
GRAFTON	.02		.54		.21							.18						.13			.01							.15	.01	.30	2.10
GRANTSVILLE	.01			.10	.75	.03					.55	.65			.39			.40											.02	.02	1.83
HACKERS CREEK			.33		.55							.47		.56			.40	.50	.23										1.09		3.33
HALL z	.63			.04	2.57	.37						.43					.05	.04	.36									T	.65		3.79
HAMLIN	.01			.44	.62							.16																	.07	.04	4.60
HARPERS FERRY	1.50	.19		.70	.06	.12						.50	.05						.70			T							1.13	.56	2.92
HARRISON	.22		.06	.06	1.04				.25			.58						.13	.10	.25	T									.81	4.68
HASTINGS			.02		1.38	.03					.95	.41	.07					.07	.22	.04									.91	.04	3.39
HINTON NO 1	.88	.74	.32	.77	.58	.02						.55	.09	.04		.02			.12			.82						.19	.06	.24	3.68
HOGSETT GALLIPOLIS DAM				.70	.84	.09						.43		.02																.18	5.23
HORNER	.36		.03		2.03							.31		.43			T	.20	.04										.30	.13	2.51
HOULT LOCK 15 LOWER	.02				2.30	.05						.40							.42											.23	4.26
HUNDRED r				1.33	.48						.61							.20	.10	.05	.05							.63	.03	1.22	4.44
HUNTINGTON NO 1			.15	T	.55						T	.13		T			T											.58			3.38
HUNTINGTON NO 2 // r			.09	.50	.10						.11																	.04	.08	.56	1.51
IAEGER		.57		.87	.83	.11				-	-	-																.08	.16		1.04
INWOOD	.66		.17	.03	.17				.11		.10	.73					1.85		.07											.09	-
IRELAND			.32	T	.59	.0												.29		.05	.08							T	.13	.07	2.59
ISAACS CREEK			.22		.55							.82	.03				.03	1.05	.08								.15			.41	.04	1.44
JANE LEW	.10		.04		.74	.01	T					.64		T	.01		T	.18	.81	.01											.02	2.95
JESSE RUN	.21		.21		1.63						.09	T	.10					.08	.65	.45									.37	.20	.06	3.17
KATFORD	1.00		.40		.30	.50																							.37	.05		3.34
KEARNEYSVILLE	.94		.08	.02	.24	T			1.04		.30	.59							.58	.03		T										2.88
KERMIT	.58			.72	.31														.51									T	.60	.06	4.48
KNOBLY MOUNTAIN	.80		.02	.05	.81							.60							.15	.08									.06			2.18
KUMBRABOW STATE FOREST	.81	.01	.43	.84	.85	.06					.37	1.11		.83			.01	.48	.05		.08								.35			2.86
LAKE FLOYD			.10	.40	.68						.39	.58	T				.35	.14	T	T								.24	.48			6.45
LAKE LYNN z					2.56	.11		T	.18			.56	.03				T	T	.54	.02								T	T	T	2.64
LAKIN r				.36	.09						.41			.15															.06	.16	4.20
LZ SAGE GREENBOTTOM			.45		.54							.30		.14														.28		.46	1.75
LEWISBURG	1.10	.01	.10	.88	.26						.06	.20		.25	T	.08	.03	.13	.02										.35		1.78
LINDSIDE	.81	1.26	.14	1.59	.53							.30	.06																T	.70	3.80
LITTLE SKIN CREEK	.31		.06		2.09			.03			.05	.24		.27			.22	.05												.25	4.94
LIVERPOOL r				.51	.23						.74	.08		.12			.03											.44	.33	.02	4.11
LOCKNEY r	.07		.10	.45	.30						.22	.31		.27			.27											.15	.64	.04	2.54
LOGAN z	.80	T	T	.68	.18	.02						.37						.77											.08	.10	2.17
LONDON LOCKS LOWER	.75			.92	.45	.03					.38	.28		.86															T	T	2.62
MAC FARLAN r				.93	.26				.33					.03				.48												.48	4.15
MADISON	.55			2.29	.32	.02					T	.06			.05		.04											.42	.10		2.55
MAN	T	T	.85																												3.33
MANNINGTON 1 N					1.00	.01			.41		.09	.69	.08				.06	.08	.23											T	1.06
MANNINGTON NO 2					.82	.15						.77					.16		.25									.15	.10	.10	2.59
MARLINGTON r	.56		.33	1.49	.04						.57	.20					.05	•	.90	.15		.03							.22	.13	2.50
MARTINSBURG MUNIC AP z	.64		.08	T	.22				.10		.88	.42						.65	.02	.80		T						.06		.04	4.42
MATHIAS r	.75		.18	.17							.50	.24						.63	.90	.03		.47							.25	.03	4.09
MC MECHEN DAM 13 LOWER					1.48	.31		.10	.30			.56	.18						.06									.16	.66	.02	4.71
MC NEILL 2 NE	.91		.03		.75					T	.09	.77						.77		.17	T							.01		3.00
MIDDLEBOURNE 3 SE					.88	.24						1.18	.04	T					.66	T							T	.21	-	-
MIDVALE	.75	.04		.10	.40	.48				.02		.22	.02	.25			.03	.10	.70		.75								.89	.08	3.95
MOOREFIELD z	1.00	.10		.05	.10	.05				.10		1.42	.23					T	.12	.63		.05						1.10	.10	5.06
MORGANTOWN MUNICIPAL AP				2.53	1.29		T	.03	.05		.28	.02					.05	.10										.50	.02	4.37
MORGANTOWN NO 1				1.09	4.18					.28	.07							T	.06		.08						.13	.02	.03	4.53
MORGANTOWN LOCK 10 L	T				4.62	.13			.04			.27					.02		.06		.10					.05	.21	.05	.04	6.09
MOUNT CLARE				.38	.55						.40	.40					1.00	.80											.09	.13	5.46
NAOMA z		.98		1.80																								.42	.29		4.24
NEW CUMBERLAND DAM 9					1.07	.02				.20			T		1.30			.50													4.78
NEW MARTINSVILLE					2.12					.77	1.69	.93					.01	.38	.03	.01											4.89
OAK HILL z	1.95	.10	.05	.50	2.31	.08				.83	.10	.05						.05	.04									.74		.09	3.82
OMPS	T	.45			T	.86						.54		1.07			.06	.22											.05	.19	7.12
																			.95		.10								.29	2.45

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

Station	Day of Month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PARKERSBURG WOOD CO AP				.35	.90						.82	.02	.01					1.04											.23		3.37
PARKERSBURG WB CITY				.41	.45						.56	.01	.01					.79										.01	.95		2.89
PARSONS	.81		.08	T	.25	.01			T		.10	.38	.01				T	.14	.12	.01	.95		T					.11	.04	.02	2.83
PETERSBURG WB CITY	.46		.07	.07	.26			.15			.55	.08	T	.04			.40	.12	.10	T	.08							.02	.03	.12	2.51
PHILIPPI	.66			.03	1.30	.17				.02		1.37	.05				.06	.04	.29		.03								T	.03	4.07
PICKENS NO 2	1.45	.07		.58	1.14	.36						1.05	.75	.55	.07	.02		.15	.35			.10						.15	1.07	.47	8.18
PIEDMONT	.31		.09	.01	.72						.02	.68						.35	.04	.10									.05	.01	2.53
PINEVILLE	.47	.13	.06	1.10	.32	T	T					.47					.12		.21			T								T	2.88
POINT PLEASANT				T	.45	.20						.34		.02				T											.02	.92	1.95
POLK CREEK	.10			T	.64						.52	.12	.01				.19	.22	.52		.10							.13	1.13		3.68
PRINCETON	1.00	1.26	1.08	1.30	1.70							.33						.18	.03					1.08						.25	8.19
RAINELLE NO 1	.64		.60	.83	.73						.28	.62	T	.68			.93		.03	.03										.61	8.18
RAVENSWOOD DAM 22 LOWER	.07				.33	.17						.47		.14					.04										.02	.48	1.70
RENICK	.95	.77	T	.82	.40							.50		.19			.24	.36	.05	.17									.10		4.55
RICHWOOD	1.10			1.12	.54	.19						.37		.36			.47		.56			.76							.24	.03	5.74
RIGHT FORK STONECOAL CRK	.32		.04		2.47	.02						.76		.44			T	.38	.03										.68	.18	5.28
RIPLEY			.04		.60		.01				.07	.34		.04				.03										.01	.01	.75	1.90
ROANOKE	.43		.09		1.05							.77	.02	.20			.10	.37										.05	1.35	.10	4.53
ROCKFORD	.08		T	T	1.35	.02						.62					.20		.52	.29	T							.65	T		3.73
ROHRBOUGH	.25		.07		1.00	T						.52		.22			T											.15	.74	.08	3.03
ROMNEY	.60	.01	.01		.56	.02	.01		.02	.01	.24	.40						.21	.19	.01								.07	1.14	.09	3.61
ROWLESBURG NO 1	1.20			T	.75	.06						.94						.86	.35	T	.30	1.26							.11	T	5.85
ROWLESBURG NO 2	1.20				.75							.94						.86	.35			1.26									5.36
SALEM			T	T	.89						.17	.62	T			T	.45	-	-	-	-	-	-	-	-	-	-	-	-	-	-
SAND FORK	.05		.13		.76						.13	.30		.21			.02	.52	.05		.03							.44	.46	.04	3.16
SHINNSTON			T		1.34						.75	.25	.03			T		.30										T	.20		2.87
SMITHBURG				1.16	.45						.71	.19						.67		.04									.20		3.44
SPENCER				.20	.40	.29						.72		.22					.04										.20	1.13	3.20
SPRINGFIELD	.37				.46							.71	.29						.56	.45											2.86
SPRUCE KNOB	1.82	.38		.42	.94	.07						1.05		.34				.49	.30	.25	.12							.17	.10		6.45
STONY RIVER DAM	1.13		.12		.65							1.44	.35					1.10	.12		.15								.27	.13	5.46
SUGARCAMP RUN	.46			.26	.82						1.19			.57			.33		T	T								.43	T	.45	4.06
SUMMERSVILLE	T	.05	.69	.43	.65				-	-	-	-	-	-	-	-	-	-	-	-	-								.40		-
SUTTON	.32		.48		.84							1.32		.12			.32	.74	.37										.20	.07	4.78
SUTTON 1 E	-	-	-	-	-	-	-				.65	.54		.06			.42	.10	.18	.32								.18			-
SYCAMORE CREEK			.18	.14	.54						.54			.71		.35			T									.31	T		2.77
TERRA ALTA NO 2			.13	.09	.33	-	-	-	-	-	-	-	-	-	-	-	.22	.30	.10				.01		-	-	-	-	-	-	-
THOMAS				.79	.29	.23						.64	.12					.08	.09	.02	.15	.41							.54	.27	3.63
TRIBBLE				.14	.06	.27			-	-	-	-	-	-	-	-	-	-	-	-	-	-							2.15		-
TYGART DAM			.51	1.11	.17						.71	.03						.15	.05	.09									.06	.04	2.92
UNION	1.45	.46	.07	.54	1.03	.04		T				.40	.10				.09		.06											T	4.28
UPPER DAVISSON RUN		.01	1.40	T	.60							1.11		.03			.05	.49	.05									.03	.40	.02	4.19
UPPER SYCAMORE CREEK				.61	.63	.22						.41	.10	.11															.21	.23	2.52
VALLEY CHAPEL	.03		.09		.61							1.00		.01			.07	.18	1.55									.03	.86		4.43
VALLEY HEAD	1.32	.03		.43	.52	.05						1.84	.15	.37				.50	.10	.10		.08							.29	.07	5.85
VANDALIA	.27		.06		1.82						.19	.36		.15			T	.47	.03									.06	1.23	.04	4.68
VIENNA BRISCOE					1.19	.14					1.26	.14						.38	.21											1.23	4.55
WARDENSVILLE R M FARM	1.23	.06		.40	.18	.01				.03		1.56	.18					.01	.50	.23	1.15							.17	.36	.07	6.14
WASHINGTON DAM 19 LOWER					.51	.26					.15	.25		.02					.57										T	.46	2.22
WAYNE			.21											.31			.02											.14	1.33		2.01
WEBSTER SPRINGS	.51		.61	.82	.64						.18	1.23		.49			.75	.11	.22				.29					.22	.19	.27	6.53
WELLSBURG 3 NE					1.65				.06		.86	1.35	.64				.08	.25													4.89
WEST MILFORD	.12		.15		.57							1.07					.15	.10	.60									.12	.85	.05	3.78
WESTON	.48			.08	.61	.32						.72	.06	.02			.03	.06	.34	.05									.16	.24	3.41
WHEELING OHIO CO AIRPORT				1.17	.90			.24	.02		1.18	.02						.19			T							T	T		3.72
WHEELING WARWOOD DAM 12					1.76	.16			.45			.67	.17						.06										.04	T	3.31
WHITE SULPHUR SPRINGS	1.05	.09	.55	.65	.40							.15		.26			.17		.06				.37						.03	.70	4.46
WILLIAMSON	.76			.90	.13	.06						.49							.49										.06		2.69
WINFIELD LOCKS	.05			1.10	.40	.15						.76		.11																.96	3.53
YAWKEY			.72	.09	.20						.03							.03											.13	.36	1.56

See reference notes following Station Index.

TABLE 4

HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
CLAY 2	.08	.01	.02	.01	.01																				.13
DAVIS	.04	.02	.02	.14	.05	.08																			.35
ELKINS WB AIRPORT	.02	.01	.20	.04	.03	.01		.02	.01	.02	.01														.37
FLAT TOP //		.01	.03	.01	.02				.11	.01		.43	.04	.07											.73
FRANKLIN	.05	.01	.06	.07	.17	.03	.01	.02			.04	.01	.10												.57
GARY //										.05	.25	.10	.07	.02	.01										.50
HALL	.10		.01	.09							.01	.01													.22
LOCKNEY	.06	.01																							.07
MARLINTON	.01	.05	.05		.08	.01	.01			.12	.05	.08	.10												.56
MARTINSBURG MUNICIPAL AIRPORT	.09	.09	.06	.02	.05	.09	.21	.02				.02	.01		.02										.68
MATHIAS	.09	.01	.09	.01	.21	.11	.03			.03		.06	.04	.06	.01										.75
MOOREFIELD	.05			.09	.14	.02	.08	.01	.01			.08													.48
OAK HILL	.03																								.03
PETERSBURG WB CITY 6			*	*	*	*	*	.35	*	*	*	*	*	.08											.37
SPRINGFIELD	.05	.11	.01	.01	.02	.15	.02																		.05
SUMMERSVILLE //	.05																								1.19
SUTTON	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.59
UNION	.01	.01						.09	.60	.22	.06	.08	.04	.05	.02		.01								.04
VALLEY HEAD	.04	.09	.21	.06	.02		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.17	
WEBSTER SPRINGS									.03	.01															
—2d—																									
FREEMANSBURG	-	-	-	-	-	-	-	-	-	-	-														.05
HALL								.01				.01		.02			.01					.01	.01		.02
OAK HILL																									.05
SUMMERSVILLE //					.04						.02	.01	.01										.01	.04	.08
UNION																								.01	.02
VALLEY HEAD																									.57
WEBSTER SPRINGS																									.32
—3d—																									.01
CHARLESTON 6									*	*	*	*	*	.57	*	*	*	*	*	.08					.33
CHARLESTON 3										.03	.02	.13	.15	.11	.02	.01		.01							.09
CLARKSBURG BENEDUM FIELD 6									*	*	*	*	*	.66											.10
CLARKSBURG 2										.60	.40														.66
CLAY 2											.06	.02	.07	.09	.03	.01	.01	.01							.33
DAVIS													.30	.02	.01										.88
ELKINS WB AIRPORT												.44	.28	.10	.04		.01		.01						.57
FLAT TOP //				.05	.15	.05		.01				.01		.03	.02	.02		.05	.03	.05	.02	.08			.32
FRANKLIN														.06	.25	.01									.01
FREEMANSBURG											.01														.33
GARY //									.01	.01	.01		.01		.09	.13	.03	.01				.01	.01	.01	.09
HUNTINGTON //											.04	.03	.01	.01											.10
LOCKNEY												.02	.06	.02											.66
LOGAN										.01	.04	.12	.18	.17	.12	.02									.33
MARLINTON														.23	.06		.01		.01	.01			.01		.06
MARTINSBURG MUNICIPAL AIRPORT														.01	.04	.01									.18
MATHIAS										.01	.09				.02	.04	.02								.03
MOOREFIELD												.03													.32
NAOMA //									.01	.01	.05	.03	.10	.12											.13
OAK HILL	.01	.01								.01	.01	.01	.01	.01		.05	.01								.69
PETERSBURG WB CITY 6	.01	.01	.02										.41	.17	.02	.01	.01	.01	.02						.18
SUMMERSVILLE //											.07	.10	.01							.07					.14
TERRA ALTA 2											.03	.04	.03								.01	.03			.51
TRIBBLE											.44	.03	.01		.01										.30
TYGART DAM									.02					.07			.02	.19	.02						.37
UNION													.25	.09	.01				.01	.01					.56
VALLEY HEAD												.35	.01	.11	.06		.01	.01	.01						.72
WEBSTER SPRINGS												.06	.14	.13	.06										
YAWKEY								.10	.01	.12	.10														
—4th—																									
CHARLESTON 3																					.15	.01	.02	.16	.34
CLARKSBURG 2																						.14	.01	.16	.31
CLAY 2																				.01		.06			.07
DAVIS								.01													.02	.01		.01	.05
ELKINS WB AIRPORT																				.02	.01		.01	.01	.05
FLAT TOP //							.30	.01						.01	.03	.03			.01					.03	.42
FRANKLIN							.06	.02	.01																.09
FREEMANSBURG																									.19
GARY //		.01		.01	.35	.23	.09	.14	.04	.01	.01		.01			.01			.02		.08	.01	.06	.04	.93
HALL														.10						.08	.21	1.12	.02	.27	1.80
HUNDRED			.01					.01												.08	.11	.02	.01	1.09	1.33
HUNTINGTON 2 //																					.15	.31	.03	.01	.50
LAKE LYNN																		.28	.22	.10	.08	.02	.01	.14	.85
LAKIN																				.08	.19	.06	.02	.01	.36
LIVERPOOL																						.44	.07		.51
LOCKNEY																							.45		.45
MAC FARLAN																						.25	.67	.01	.93
MARLINTON		.01		.13	.16	.04	.05	.02																	
MATHIAS							.04	.07	.01	.01	.03	.01							.05	.83		.24		.01	1.49
NAOMA //			.03	.08	.01			.02							.04		.18	.61	.27	.02					.17
OAK HILL	.17	.10	.01	.04	.04	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.26
PARKERSBURG WB CITY																									-
PETERSBURG WB CITY 6			*	*	*	*	*	.04												.07	.10	.20	.03	.01	.41
SMITHBURG																									
SUMMERSVILLE //																			.04	.04			.20	.90	1.18
TERRA ALTA 2																.01	.01		.07	.24					.34
TRIBBLE																						.03	.06		.09
TYGART DAM																							.05	.03	.08
UNION	.02	.06	.02	.01	.02	.02	.01	.01	.02	.01										.47	.05	.08	.02	.49	1.11
VALLEY HEAD						.01		.02			.01							.19	.66	.21	.03				1.10
WEBSTER SPRINGS																			.09	.03	.02	.02	.01	.01	.41
WHEELING OHIO CO AIRPORT 6																.01	.38	.35	.01	.07	.09	.01	.05		.97
YAWKEY															*	*	*	*	*	.13					
—5th—																							.05	.04	.09
CHARLESTON KANAWHA CO AIRPORT 6	*	.44	*	*	*	*	*	.17							*	*	*	*	*	.02					
CHARLESTON 3	.08	.05	.07	.01	.05				.02		.01			.01		.01									.31

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
CLARKSBURG BENEDUM FIELD 6	*	.30	*	*	*	*	*	.21	*	*	*	*	*	.06	*	*	*	*	*	.02					.38
CLARKSBURG 2	.19		.01	.07	.04		.03								.01	.03		*							.44
CLAY 2	.03	.11	.16	.06	.01	.03			.01	.01		.01		.01											.26
DAVIS		*	*	.26																					.36
ELKINS WB AIRPORT	.15	.02	.01		.02		.01					.02	.02	.02	.02	.04	.02	.01							.06
FLAT TOP //	.02			.03	.01									.01		.01									.39
FREEMANSBURG	.01		.08	.02	.01		.01	.01	.05	.09	.01	.08	.10	.01	.01	.02									.17
GARY //		.01			.01							.01			.11										.71
HALL	.29	.01		.01		.01	.01	.01	.08	.09	.01	.06	.02		.01										.48
HUNDRED	.24		.02	.10	.02		.01	.01	.01	.05				.01	.01										.10
HUNTINGTON 2 //	.01		.03	.05	.01																				1.93
LAKE LYNN	.43	.50	.74	.03	.02	.01	.02	.01	.01	.01	.05	.01	.04	.05											.09
LAKIN	.01			.04	.01	.03																			.23
LIVERPOOL	.01	.04	.01		.03				.09						.05										.30
LOCKNEY	.08	.07	.12	.02	.01																				.19
LOGAN		.01	.02	.02	.11				.01		.01	.01													.26
MAC FARLAN	.01	.01	.02	.02	.01			.01	.03	.01	.03	.02				.03	.01	.04	.01						.04
MARLINTON	.03	.01																							.27
MARTINSBURG MUNICIPAL AIRPORT						.26	.01																		.07
MOOREFIELD		.01	.06							.01				.01	.03	.01									.16
NAOMA //	.01	.02	.02	.02	.03					*	*	*	*	.64	*	*	*	*	*	.13					
PARKERSBURG WOOD CO AIRPORT 6	*	.38	*	*	*	*	*	.10	*	.04		.02	.02		.01		.03								.45
PARKERSBURG WB CITY	.02						.01	.06	.24																
PETERSBURG WB CITY 6	*	.03	*	*	*	*	*	.26																	.45
SMITHBURG	.02	.05	.08	.05	.02	.04	.04	.01	.06	.02	.05	.01													.48
SPRINGFIELD		.01	.04	.05	.36	.01	.01							.01	.04	.03	.02	.01							.38
SUMMERSVILLE //		.04	.06	.06	.04	.03	.01		.02	.01															.33
TERRA ALTA 2		.27	.03				.01	.01					.01												.27
TRIBBLE	.02	.04		.01							.05	.12	.02	.01											.17
TYGART DAM	.07		.01	.03		.03	.02	.01																	.13
VALLEY HEAD	.01	.01					.01	.01				.02	.01	.01	.03	.01		.01							.41
WEBSTER SPRINGS	.01	.01	.04	.08	.01	.02	.02						.01	.10	.06	.03		.02							
WHEELING OBIO CO AIRPORT 6	*	1.56	*	*	*	*	*	.22	*	*	*	*	*	.16											.20
YAWKEY	.10	.02		.03		.01					.01				.03										
—6th—																									
CHARLESTON 3												.01	.01												.02
CLARKSBURG 2		.01	.02																						.03
DAVIS											.01	.01													.02
GARY //									.01	.03															.04
OAK HILL	-	-	-	-	-	-	-																		-
—7th—																									
CHARLESTON 3												.04	.01		.04	.01			.02						.12
DAVIS												.01	.01												.02
FRANKLIN													.01												
HALL													.58		.15	.28	.05	.02		.05	.20	.01	.04	.05	1.43
SUTTON	-	-	-	-	-	-	-	-	-						.01	.01	.01								.03
TERRA ALTA 2																									-
—8th—																									-
FRANKLIN	.17	.01	.01																						.19
HALL										.01	.01							.01							.03
LAKE LYNN											.01	.01													.02
PETERSBURG WB CITY 6															*	*	*	*	*	.15					
—9th—																									
CHARLESTON 3														.35	.01								.07	.05	.48
CLARKSBURG BENEDUM FIELD 6													-	-	-	*	*	*	*	.11					
CLAY 2																-	-	-	-	-	-	-	-	-	-
HALL											.01	.01			.01										.03
LAKE LYNN	.01	.02		.08																					.11
MARTINSBURG MUNICIPAL AIRPORT																.06		.02							.08
MOOREFIELD													.08	.01	.01										.10
TRIBBLE			-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
WHEELING OBIO CO AIRPORT 6	*	.26																							
—10th—																									
CHARLESTON 3	.18	.14	.06	.04	.01	.03	.02	.02																	.50
DAVIS																					.10				.10
MAC FARLAN															.10							.01	.22		.33
—11th—																									
CHARLESTON KANAWHA CO AIRPORT 6															*	*	*	*	*	.02					
CHARLESTON 3															*	*	*	*	*	.25	.11				.11
CLARKSBURG BENEDUM FIELD 6																		.35							.35
CLARKSBURG 2													.09			.22		.03	.01	.01		.13		.15	.70
DAVIS						.01	.01	.03	.01							.26		.01			.07			.05	.39
ELKINS WB AIRPORT																				.07	.01		.01	.05	.14
FLAT TOP //																	.85	.02	.01	.01		.01		.12	1.02
FREEMANSBURG																						.03	.02	.06	.11
GARY //																	.05	.01	.01	.01				.01	.09
HALL													.20	.05	.02	.01	.01	.01	.11			.20			.61
HUNDRED																								.11	.11
HUNTINGTON 2											.06				.01			.12	.06	.01				.35	.61
LAKE LYNN													.10	.21	.01								.02	.07	.41
LAKIN														.56	.01								.11	.06	.74
LIVERPOOL														.04		.05							.01	.12	.22
LOCKNEY														.01	.09	.03	.01	.03			.08	.04	.05		.34
LOGAN																			.01	.10	.26	.08	.05	.07	.57
MARLINTON														.01	.53	.01						.19	.10	.15	.99
MARTINSBURG MUNICIPAL AIRPORT																		.31	.01	.01	.02	.07	.07	.01	.50
MATHIAS														.92	.03			.18	.01	.04	.01	.11	.09	.01	1.40
MOOREFIELD																.01	.03	.01	.03	.01		.02	.03		.14
NAOMA //															*	*	*	*	*	.17					
PARKERSBURG WOOD CO AIRPORT 6			*	*	*	*	*	.41						.34								.02	.05	.02	.56
PARKERSBURG WB CITY						.13									*	*	*	*	*	.39	*	*	*	*	
PETERSBURG WB CITY 6																						.02	.17	.52	.72
SMITHBURG																									

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
SUMMERSVILLE //																				*	*	*	*	*	*
SUTTON																									
TYGART DAM																	.04	.01	.01					.59	.65
UNION														.03	.04		.43	.01						.20	.71
VALLEY HEAD																				.01				.07	.08
WEBSTER SPRINGS														.25	.04					.19	.02	.03	.04	.58	1.15
WHEELING OHIO CO AIRPORT 6						.14	.01				.01		.02							.03	.06	.07	.10	.43	.87
YAWKEY									*	*	*	*	*	.40	*	*	*	*	*	.24					
											.01	.01		.01											.03
													—12th—												
CHARLESTON KANAWHA CO AIRPORT 6	*	.25																							
CHARLESTON 3	.02																								
CLARKSBURG BENEDUM FIELD 6			*	*	*	*	*	.10	*	*	*	*	*	.05											.02
CLARKSBURG 2	.08	.01	.01	.02				.10	.08		.01														
DAVIS	.01	*	*	*	.30				.08	.03	.01	.01													.31
ELKINS WB AIRPORT	.08	.01	.01	.01			.01	.01																	.44
FLAT TOP //	.13	.01						.04																	.13
FREEMANSBURG	.22	.02						.01	.01	.01															.18
GARY //	.06					.19					.01	.05	.10	.01											.27
HALL	.11																								.42
LAKE LYNN	.01	.01	.01			.01	.01																		.11
LIVERPOOL	.02			.01	.01	.04																.03			.08
LOCKNEY	.05	.02	.01		.05		.18																		.08
LOGAN		.02																							.31
MARLINTON	.07	.06		.07																					.02
MARTINSBURG MUNICIPAL AIRPORT	.03		.20	.05																					.20
MATHIAS	.01	.08	.10	.04	.01																				.28
MOOREFIELD	.01							.03				.01	.12	.08											.24
NAOMA //								.02		-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.25
OAK HILL														.02			.01	.01	.03	.02	.13	.04	.04	.01	.31
PARKERSBURG WOOD CO AIRPORT 6	*	.24	*	*	*	*	*	.01																	
PARKERSBURG WB CITY							.01																		.01
PETERSBURG WB CITY 6	*	.18	*	*	*	*	*	.04																	
SMITHBURG	.01	.01				.01	.01	.12	.01	.01	.01														.19
SPRINGFIELD													.51				.03	.08	.03	.02	.01	.01	.01	.01	.71
SUMMERSVILLE //	*	*	*	*	*	*	*	*																	*
SUTTON		.06	.03			.15	.05	.25																	.54
TYGART DAM								.01	.01		.01														.03
UNION	.08	.17	.01						.05	.01															.32
VALLEY HEAD	.31	.09	.22	.01	.01	.01	.05	.03	.08		.01														.82
WEBSTER SPRINGS	.10	.01					.02	.32	.01		.01		.01	.01											.49
WHEELING OHIO CO AIRPORT 6	*	.54													*	*	*	*	*	.01					
													—13th—												
CHARLESTON 3																					.05				.05
ELKINS WB AIRPORT																								.15	.15
OAK HILL	.02	.09					.07	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARKERSBURG WB CITY																					.01				.01
SPRINGFIELD	.03	.01	.16	.09																					.29
SUMMERSVILLE //																				*	*	*	*	*	*
VALLEY HEAD																								.08	.08
WHEELING OHIO CO AIRPORT 6	*	.01																							
													—14th—												
CHARLESTON KANAWHA AIRPORT 6	*	.23	*	*	*	*	*	.13																	
CHARLESTON 3			.08						.02																.10
CLARKSBURG 2		.03	.04																						.07
ELKINS WB AIRPORT						.09																			.09
FRANKLIN	.10	.05			.08																				.23
LAKIN			.15																						.15
LIVERPOOL				.11	.01																				.12
LOCKNEY				.07	.20																				.27
MAC FARLAN				.02	.01																				.03
OAK HILL	-	-	-	-	-	-	-	-	-																-
PARKERSBURG WOOD CO AIRPORT 6	*	.01																							
PETERSBURG WB CITY 6			*	*	*	*	*	.04																	
SUMMERSVILLE //	*	*	*	*	*	*	*	1.55																	1.55
SUTTON					.01	.05																			.06
UNION								-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
VALLEY HEAD					.09	.21																			.30
WEBSTER SPRINGS	.16			.01	.28																				.45
													—16th—												
CLARKSBURG 2																									
GARY //																						.26	.01	.02	.29
HALL																				.03					.03
OAK HILL																						.02	.01		.03
TERRA ALTA 2									.01	.01		.01			.01	.01									.05
WEBSTER SPRINGS	-		-	-	-	-		-	-							.22									
																				.02					.02
													—17th—												
CLARKSBURG BENEDUM FIELD 6	*	.07																							
CLARKSBURG 2	.01																								
ELKINS WB AIRPORT											.03		.01		.04										.01
FRANKLIN															.30	.17	.08	.10							.08
FREEMANSBURG									.09																.65
MARLINTON								.02					.03												.09
PETERSBURG WB CITY 6															*	*	*	*	*	.40					.05
SUTTON																				.40	.01		.01		.42
TERRA ALTA 2																				.21	.09				.30
UNION	-	-	-	-	-	-	-																		-
VALLEY HEAD												.27	.23	.26	.01										.50
WEBSTER SPRINGS													.38		.01	.01									.67
													—18th—												
CLARKSBURG BENEDUM FIELD 6									*	*	*	*	*	.17	*	*	*	*	*	.21					
CLARKSBURG 2																	.18	.07		.12					.37
DAVIS									.01		.01			.01	.03	.05					.01				.12
ELKINS WB AIRPORT														.04	.03						.40				.47

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
FRANKLIN															.45	.09									.54
FREEMANSBURG				.01				.01				.07		.01			.02	1.45							1.57
HALL							.04				.01		.05						.21						.31
HUNDRED										.10					.02					.08					.20
LAKE LYNN																		.51							.51
LIVERPOOL													.03												.03
LOCKNEY					.07							.06			.01				.13						.27
LOGAN																		.04						.01	.05
MARLINTON										*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
MARTINSBURG MUNICIPAL AIRPORT																	.64							.02	.66
MATHIAS															.15	.41	.07								.63
MOOREFIELD															.10										.10
OAK HILL																		.11					.09		.20
PARKERSBURG WOOD CO AIRPORT 6															*	*	*	*	*	1.03					
PARKERSBURG WB CITY															.35	.13	.06	.02	.20	.03					.79
PETERSBURG WB CITY 6															*	*	*	*	*	.12					
SMITHBURG																.02	.23	.05		.37					.67
SUTTON										.05	.05														.10
TYGART DAM												.01	.05		.01		.01	.02		.02	.02			.01	.15
VALLEY HEAD														.10						.01					.11
WEBSTER SPRINGS														.07			.01	.01	.02	.01	.05	.08			.25
WHEELING OHIO CO AIRPORT 6									*	*	*	*	*	.10	*	*	*	*	*	.09					
YAWKEY														*	*	*	*	*	*	.03					.03
—19th—																									
FRANKLIN												.07	.07												.14
FREEMANSBURG							*	*	*	*	*	*	*	*	*	.09									.09
HUNDRED												.10													.10
LOGAN	.55	.15	.01																						.71
MAC FARLAN												.27	.03	.18											.48
MARLINTON	*	*	*	*	*	*	*	.52						.29	.09										.90
MATHIAS														.30					.11	.48	.01				.90
MOOREFIELD																		.60	.02						.62
PARKERSBURG WOOD CO AIRPORT 6	*	.01																							
PETERSBURG WB CITY			*	*	*	*	*	.01							*	*	*	*	*	.09					
SPRINGFIELD																.53	.01	.02							.56
SUTTON													.17		.01										.18
TERRA ALTA 2																.10									.10
TYGART DAM			.01	.01		.01		.01			.01														.05
—20th—																									
DAVIS																			.05	.01					.06
FRANKLIN																				.05					.05
HUNDRED								.01	.01								.01	.01			.01				.05
MARLINTON																.06	.06	.02	.01						.15
MARTINSBURG MUNICIPAL AIRPORT															.62	.12	.01	.01							.76
MATHIAS														.01	.01	.01									.02
SMITHBURG													.04												.04
SPRINGFIELD				.02												.19	.23	.01							.43
SUTTON																.31	.01								.32
TYGART DAM																						.09			.09
VALLEY HEAD															.02						.05				.07
—21st—																									
DAVIS										.01			.09			.01									.11
FLAT TOP //																		.15	.01	.01					.17
GARY //															.14	.01									.15
HUNDRED			.01		.01	.01			.02																.03
PETERSBURG WB CITY 6			*	*	*	*	*	.06																	
UNION									.01	.03	.01														.04
VALLEY HEAD							.01			.01				.01		.05									.06
—22d—																									
TRIBBLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-								-
—23d—																									
CLAY 2	-	-	-	-	-	-	-	-	-	-	-														-
MARLINTON																		.03							.03
MATHIAS															.21	.25	.01								.47
TERRA ALTA 2																		.01							.01
WEBSTER SPRINGS																		.23	.03						.26
—25th—																									
TERRA ALTA 2																			-	-	-	-	-	-	-
—28th—																									
HALL																.01									.01
VALLEY HEAD				*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
—29th—																									
CHARLESTON KANAWHA CO AIRPORT 6									*	*	*	*	*	.02	*	*	*	*	*	.65					
CHARLESTON 3														*	*	*	*	*	*	.75					.75
CLAY 2																				.19	.02	.04	.01	.01	.27
DAVIS									.01	.01						.34									.35
ELKINS WB AIRPORT																.50	.10								.60
FRANKLIN																	.09	.01							.10
FREEMANSBURG															.03										.03
HUNDRED															.50	.03		.03							.56
HUNTINGTON 2 //																.01	.01	.02	.04						.08
LAKE LYNN													.03												.03
LAKIN															.28										.28
LIVERPOOL																.15									.15
MAC FARLAN															.42										.42
MARLINTON																		.05	.01						.06
MATHIAS																.13	.02	.01							.16
OAK HILL																			.04						.04
PARKERSBURG WB CITY														.01											.01

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

WEST VIRGINIA

AUGUST 1948

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
PETERSBURG WB CITY 6															*	*	*	*	*	.02					
SUMMERSVILLE //																				.27	.09	.01			.37
SUTTON																.06	.09	.01	.01	.01					.18
VALLEY HEAD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
WEBSTER SPRINGS																.01	.05	.15	.02	.13					.36
												—30th—													
CHARLESTON KANAWHA CO AIRPORT 6																									
CHARLESTON 3															*	*	*	*	*	.12					
CLARKSBURG BENEDUM FIELD 6	*	.08																.58		.53	.11	.01			1.23
CLARKSBURG 2			.02												.50										.52
DAVIS															.11										.11
ELKINS WB AIRPORT																			.02						.02
FRANKLIN																		.03	.01				.01		.05
GARY //													.01			.01			.01	.01	.36	.02	.01		.43
HUNTINGTON 2 //																			.04	.11	.01				.16
LIVERPOOL														.01	.27	.01			.06	.12	.10	.03	.03	.01	.64
LOCKNEY																	.01	.03					.03	.01	.08
MAC FARLAN														.02					.01	.02	.02	.03			.10
MARTINSBURG MUNICIPAL AIRPORT															.15	.08	.02								.25
MATHIAS																.32	.34								.66
MOOREFIELD														.48		.01	.01								.50
OAK HILL						.02	.15																		.17
PARKERSBURG WOOD CO AIRPORT 6															*	*	*	*	*	.14					
PARKERSBURG WB CITY																		.20	.33	.10	.01	.01			.65
PETERSBURG WB CITY 6															*	*	*	*	*	.03					
SMITHBURG														.18	.01	.01									.20
SUMMERSVILLE //											.01														.01
TRIBBLE																			.09	1.26	.61	.15	.03	.01	2.15
TYGART DAM														.05	.01										.06
VALLEY HEAD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.26								.26
YAWKEY															.01	.05	.05	.01	.01						.13
												—31st—													
CHARLESTON KANAWHA CO AIRPORT 6	*	.59	*	*	*	*	*	.22																	
CHARLESTON 3	.10	.29	.03	.01																					.43
CLARKSBURG BENEDUM FIELD 6	*	1.11																							
CLAY 2								.05	.01	.01															.07
DAVIS			.26	.09		.01		.05																	.41
ELKINS WB AIRPORT						.01	.04	.02																	.07
FRANKLIN			.01	.02	.06	.01																			.10
LAKE LYNN				.10																					.10
LAKIN																									.46
LIVERPOOL								.03	.01								.03	.21	.15	.03	.03	.01			.04
LOCKNEY		.01	.01			.01	.05	.01	.01																.10
MARLINTON																									.04
MARTINSBURG MUNICIPAL AIRPORT									.01	.02									.02	.02					.03
MATHIAS								.01			.01														.02
NAOMA //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARKERSBURG WOOD CO AIRPORT 6	*	.09																							
PETERSBURG WB CITY 6			*	*	*	*	*	.08	*	*	*	*	*	.04											.04
SUMMERSVILLE //					.02	.02																			
TERRA ALTA 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TYGART DAM						.01	.02	.01																	.04
UNION									.14	.17	.01	.01													.33
VALLEY HEAD					.01	.05	.01	.01				.01	.01												.10
WEBSTER SPRINGS																.14	.03								.17
YAWKEY																			.27	.08	.01				.36

See reference notes following Station Index

TABLE 5

DAILY TEMPERATURES (° FAHRENHEIT)

WEST VIRGINIA

AUGUST 1948

STATION		DAY OF MONTH																													MEAN
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALDERSON	MAX	80	84	82	82	78	74	75	78	81	85	84	84	85	82	81	78	79		82	81	84	86	89	90	91	94	97	98	96	90	82	84.4
	MIN	65	60	65	65	65	48	47	52	52	54	58	62	60	62	54	53	58		55	74	56	57	61	60	60	60	61	61	62	58	62	58.9
ATHENS	MAX	71	79	80	77	71	69	70	74	77	81	82	78	79	78	76	74	76	79	79	78	78	83	85	85	85	88	90	91	88	88	74	79.4
	MIN	61	56	65	64	56	50	44	45	50	52	57	61	60	63	50	58	60	51	57	50	52	59	58	57	56	58	60	60	61	57	61	56.4
BARTOW	MAX	82	78	79	72	63	68		74	77	80	76	81	79			75	75	76	77	72			83		88		93			92	85		78.4
	MIN		56	59	60	56	46			40	44	46	58	52			46	49	54	51	51			49		54	50	56				54		
BAYARD	MAX	77	80	75	70	70	66	69	74	74	80	78	75	73	70	76	78	75	79	77	76	76	79	82	82	85	89	95	90	86	83	81	78.1
	MIN	62	51	57	57	53	47	44	43	46	44	50	61	52	54	44	45	54	45	52	50	49	48	50	52	53	52	51	55	58	56	58	51.4
BECKLEY V A HOSPITAL	MAX	76	78	79	79	78	68	71	75	78	84	83	80	80	73	79	72	77	79	79	79	79	81	85	87	89	92	93	94	90	85	85	80.9
	MIN	61	61	64	64	55	47	44	50	55	51	57	68	58	58	53	50	60	51	58	49	47	55	64	56	55	58	58	60	60	59	62	56.4
BENSON	MAX	84	90	89	84	84	72	75	81	83	89	88	83	84	81	83	84	83	82	85	83	83	89	90	92	95	100	101	97	98	95	82	86.7
	MIN	65	55	62	59	58	46	48	50	51	58	55	67	58	62	52	55	61	55	58	57	58	55	60	60	60	62	67	65	64	60	60	58.2
BENS RUN	MAX	88	89	87	85	74	79	80	84	86	89	87	87	83	82	84	84	88	84	87	83	85	89	90	93	96	99	100	99	95	88	78	87.2
	MIN	66	61	63	60	59	51	55	56	58	59	63	65	63	63	57	58	59	62	61	60	61	61	65	66	66	69	71	71	69	66	65	62.2
BLUEFIELD NO 1	MAX	85	78	80	79	76	72	71	74	78	82	82	87	82	83	78	78	77	79	80	75	79	77	85	85	88	91	92	94	92	88	81	81.5
	MIN	63	59	67	64	56	53	48	50	52	56	61	64	61	65	54	63	61	64	61	65	55	62	59	63	61	60	58	62	63	60	63	59.8
BLUESTONE DAM	MAX	89	76	86	83	87	67	76	79	82	85	90	86	88	89	83	86	81	85	85	87	85	91	90	94	95	96	98	100	103	100	93	87.6
	MIN	67	65	67	68	63	52	52	54	54	59	59	64	63	65	59	58	59	58	59	59	60	62	64	63	64	64	85	65	67	63	65	61.5
BRANDONVILLE	MAX	81	80	84	79	78	61	67	77	77	83	78	81	81	76	75	78	80	78	78	80	74	79	84	86	87	90	94	96	94	94	84	81.1
	MIN	63	60	62	57	55	44	46	46	46	46	64	62	61	54	49	49	47	49	56	51	52	50	51	58	56	58	58	59	60	62	59	54.5
BRANDYWINE	MAX	83	86	85	79	71	74	77	79	82	85	87	85	82			81	80	82	82	80		84	87	89	93	94	97	97	95	90	74	84.3
	MIN	65	55	57	65	60	45	44	48	45	46	57	63	57			48	54	53	56	60		55	59	59	60	58	62	61	60	58	59	56.0
BROWNSVILLE	MAX	85	89	85	83	80	85	76	81	85	89	89	84	84	78	85	88	85	82	84	84	84	88	88	95	96	98	102	99	98	91	78	87.0
	MIN	66	58	63	54	58	48	48	51	51	52	56	64	60	58	54	56	58	56	60	61	57	55	58	49	61	62	67	66	65	66	63	58.1
BUCKHANNON	MAX	81	84	80	81	74	70	74	77	81	83	84	81	74	74	80	83	79	79	81	80	82	84	86	87	90	94	95	93	91	88	76	82.1
	MIN	64	55	63	64	57	48	47	47	50	52	55	64	61	60	51	56	59	54	58	54	55	54	57	57	57	59	62	64	68	58	62	57.2
CABWAYLINGO STATE FOREST	MAX	83	86	74	84	72	75	88	82	84	87	83	81	87	82	82	81	86	83	83	83	86	89	91	92	93	95	96	98	97	92	81	85.7
	MIN	66	56	63	64	59	56	62	51	57	57	64	65	60	66	54	55	55	56	61	53	54	58	58	60	60	62	65	64	65	61	62	59.6
CAIRO 3 S	MAX	85	87	81	85	77	74	74	83	83	86	86	84	82	81	83	82	85	83	83	84	85	89	89	91	91	98	101	99	95	90	87	85.9
	MIN	63	57	62	59	59	48	49	51	53	56	58	55	59	63	54	55	45	58	59	56	59	58	59	49	54	61	55	66	64	64	64	57.2
CANAAN VALLEY	MAX	72	79	73	71	64	65	67	72	72	78	79	78	73	69	76	71	72	76	76	70	71	76	77	81	85	88	90	88	85	82	70	75.7
	MIN	60	51	58	57	52	42	42	39	39	40	48	60	56	53	40	40	49	43	52	49	43	45	47	45	48	49	48	50	55	50	56	48.6
CHARLESTON NO 1	MAX	81	81	87	75	83	68	73	79	81	85	93	86	92	92	83	89	86	91	84	90	88	85	90	96	95	100	101	105	105	96	94	88.2
	MIN	66	64	67	68	60	51	54	55	62	58	64	69	65	62	59	61	62	61	64	61	62	62	64	63	63	66	67	70	69	61	66	62.8
CLARKSBURG BENEDUM FIELD	MAX	81	85	79	82	60	72	74	79	79	81	83	82	79	79	80	79	80	78	80	82	82	85	88	89	92	96	98	95	89	86	86	82.6
	MIN	64	56	61	59	53	49	49	47	52	51	55	57	61	58	51	55	59	57	57	55	55	53	56	58	58	60	68	67	64	61	62	57.0
CLARKSBURG NO 1	MAX	82	82	86	72	81	64	73	75	79	81	86	84	82	78	78	80	81	81	78	81	81	82	85	86	89	93	95	98	95	90	85	82.7
	MIN	66	58	61	60	60	49	49	52	53	55	56	60	61	61	54	57	60	56	58	58	57	58	59	62	62	63	65	68	67	63	64	59.1
COALWOOD	MAX	79	83	79	83	75	75	75	82	85	89	85	85	87	84	83	80	83	85	83	84	85	89	90	92	93	95	90	98	97	93	88	85.8
	MIN	66	62	65	74	60	54	50	52	56	56	61	64	59	63	57	61	63	54	60	56	58	56	60	60	58	61	62	63	64	61	64	60.2
CRANBERRY GLADES	MAX	71	72	82	74	78	62	64	79	72	74	75	75	76	75	71	78	72	72	71	71	73	78	78	79	83	84	86	88	89	85	80	85.1
	MIN	45	48	59	40	51	43	36	41	36	39	46	57	49	52	40	43	49	48	50	49	47	49	52	55	50	50	53	53	53	52	54	48.0
ELKINS WB AIRPORT	MAX	79	81	75	79	65	68	72	74	77	82	82	79	77	73	78	79	75	79	80	79	78	82	84	86	89	94	95	92	89	85	74	80.0
	MIN	60	58	62	63	54	52	46	47	49	51	53	60	61	55	52	53	54	50	58	54	55	54	58	58	58	61	62	59	61	60	50	55.7
FAIRMONT	MAX	87	89	80	85	65	76	78	85	85	88	85	87	83	82	84	83	84	80	86	84	85	87	90	92	95	98	100	100	94	87	79	85.9
	MIN	62	58	64	61	56	50	51	51	56	56	57	66	62	59	55	57	62	57	57	57	58	58	61	62	62	64	66	68	66	63	57	59.3
FLAT TOP	MAX	67	77	75	75	61	64	67	68	73	79	76	75	77	72	75	71	72	76	76	73	78	79	81	81	83	85	87	89	86	83	66	75.7
	MIN	61	52	63	61	53	47	42	42	48	49	54	60	61	60	51	52	57	48	57	47	47	59	52	53	53	55	53	56	56	59	59	53.8
GARY	MAX	88	78	83	81	80	64	73	74	80	82	86	86	82	84	81	82	79	81	84	81	81	84	86	88	89	91	95	95	96	93	89	83.7
	MIN	66	63	65	66	60	55	50	52	55	57	60	64	60	62	57	61	63	55	60	56	57	57	60	61	59	60	62	62	64	61	63	59.8
GLENVILLE NO 1	MAX	83	87	83	82	75	73	76	79	82	86	84	85	82	79	81	81	82	80	81	82	82	85	87	88	91	95	96	95	93	89	78	83.9
	MIN	66	60	66	64	60	50	52	55	57	57	60	66	67	61	57	58	63	58	61	60	61	59	62	63	64	65	68	69	70	64	64	61.5
GRAFTON	MAX	82	86	84	80	71	72	75	79	81	84	85	84	78	77	80	83	80	80	80	81	80	85	88	89	91	95	98	94	91	85	82	83.2
	MIN	67	55	60	63	58	47	48	56	52	52	55	57	57	60	52	53	57	52	56	57	56	57	58	59	60	60	61	60	61	58	63	57.0
GRANTSVILLE	MAX	86	87	90	79	85	79	80	79	84	86	89	87	86	85	83	84	84	87	85	85	85	86	89	91	94	96	99	99	100	97	96	87.8
	MIN	65	70	59	62	59	49	54	55	57	57	61	65	61	63	57	57	62	60	61	58	60	59	65	63	64	60	67	70	68	65	64	61.2
HAMLIN	MAX	81	85	87	77	82	71	75	79	83	85	88	87	87	88	82	83	83	82	84	86	86	87	90	91	94	97	99	99	100	96	92	86.6
	MIN	63	58	83	65	58	53	52	52	60	56	61	64	59	66	54	53	53	53	54	53	55	56	58	57	57	60	62	63	62	62	61	58.1
HINTON NO 1	MAX	87	78	87	81	87	67	75	78	83	88	89	83	89	89	83	75	82	86	85	86	84	90	90	92	92	94	98	99	101	98	93	86.7
	MIN	87	65	68	68	82	52	52	53	55	57	59	65	64	65	58	58	59	57	59	60	60	61	63	65	66	65	65	66	67	63	66	61.6
HUNTINGTON NO 1	MAX	88	89	84	85	76	78	85	84	88	90	87	89	90	85	84	86	88	86	88	88	89	92	94	95	99	100	102	102	100	95	82	89.2
	MIN	65	80	68	68	60	55	55	56	64	60	66	68	64	67	58	58	57	65	62	60	60	62	62	63	65	66	68	66	68	64	65	62.7
INWOOD	MAX	80	88	84	77	75	79	80	84	84	81	85	80	81	80	83	85	81	85	79	79	81	86	81	87	98	99	100	103	98	95	80	85.1
	MIN	81	85	86	88	80	55	58	55	57	55	60	58	63	60	58	54	58	55	62	61	58	56	60	59	63	68	65	65	64	63	55	60.2
KEARNEYSVILLE	MAX	78	88	83	75	76	79	81	84	84	81	81	84	84	81	83	84	82	83	78	82	80	84	83	86	96	97	98	99	96	93	78	84.4
	MIN	88	88	68	68	82	50	54	55	58	58	58	85	62	60	62	58	55	56	62	60	58	60	63	64	66	66	66	64	70	65	65	61.6
KUMBRABOW STATE FOREST	MAX	70	77	73	77	64	83	67	70	74	77	78	75	73	70	74	75	72	76	75	72	72	78	81	81	85	89	91	87	85	81	69	75.8
	MIN	59	47	58	58	51	46	40	43	42	43	48	60	51	55	43	46	50	46	50	45	46	47	49	49	52	51	54	53	57	52	50	49.6
LE SAGE GREENBOTTOM	MAX	86	90	89	84	75	77		83	87	90	88	88	90	89	84	88	85	88	88	85		92	94	96	99	100	100	99	100	93	85	89.4
	MIN		58	64	65	59	51	54		56	58	63	65	61		56	56	61	60	58		59		60	62	62	63	65	63		63	63	60.2

See reference notes following Station Index

TABLE 5 — Continued
DAILY TEMPERATURE (°FAHRENHEIT)

STATION		DAY OF MONTH																													MEAN
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
LEWISBURG	MAX	75	80	81	77	70	72	74	77	80	83	84	84	83	80	79	75	76	82	83	80	82	83	87	86	88	91	94	95	93	89	72	81.8
	MIN	64	58	65	64	58	46	45	50	48	52	57	62	57	62	49	53	59	55	58	54	55		60	57	58	58	62	61	60	58	62	56.9
LOGAN	MAX	79	84	87	76	87	69	78	75	84	85	90	85	87	89	81	85	85	87	87	86	84	88	90	93	92	97	98	99	101	99	95	87.2
	MIN	63	63	67	69	60	58	55	55	60	61	65	68	65	66	70	70	62	59	65	60	61	63	64	64	65	67	67	68	67	65	66	63.8
LONDON LOCKS LOWER	MAX	79	85	87	75	83	66	69	78	83	84	88	88	87	88	80	83	82	86	84	84	84	86	90	92	95	96	97	97	100	95	92	85.9
	MIN	63	63	63	66	58	53	53	53	55	58	59	64	63	66	59	59	63	59	59	60	60	61	65	53	64	66	64	67	70	65	64	61.1
MADISON	MAX	79	85	84	74	84	67	75	82	83	84	88	85	85	88	83	83	82	85	85	83	87	88	89	90	91	92	96	97	98	97	93	85.9
	MIN	64	64	65	68	60	57	54	59	55	60	63	68	65	67	59	60	62	57	60	62	62	64	64	65	63	66	67	68	67	65	66	62.8
MANNINGTON 1 N	MAX	86	89	88	84	75	77	78	84	84	88	86	86	88	87	84	83	85	86	82	84	83	88	90	93	96	98	101	99	96	85	83	87.0
	MIN	60	53	59	56	60	46	50	52	55	59	55	70	58	58	60	54	58	54	58	54	58	60	61	62	64	64	63	67	64	61	64	58.6
MARTINSBURG MUNICIPAL AP	MAX	75	85	78	75	73	78	78	83	81	80	81	83	80	80	84	83	81	83	78	79	79	84	83	85	95	97	98	99	94	92	78	83.3
	MIN	65	62	67	67	58	55	55	56	58	61	60	66	64	61	59	56	57	57	62	61	59	60	65	64	64	70	70	66	68	65	57	61.8
MC NEILL 2 NE	MAX	80	88	80	81	78	77	80	80	84	82	86	88	83	80	85	83	81	84	84	81	80	87	86	90	95	97	97	101	94	91		85.4
	MIN	66	64	66	65	52	45	46	46	50	55	49	62	56	60	50	49	55	50	56	51	52	55	57	60	60	57	57	58	61	54		55.5
MIDDLEBOURNE 3 SE	MAX	85	84	88	89	85	67	75	76	83	83	86	83	83	82	82	83	82	85	81	84	83	84	88	89	91	95	96	100	98	92	85	85.4
	MIN	63	57	61	57	59	48	50	52	54	55	58	65	59	59	53	56	56	58	58	56	59	59	61	63	63	64	67	68	66	63	63	59.0
MOOREFIELD	MAX	80	88	81	79	76	77	81	83	84	86	87	86	83	81	84	86	83	85	85	85	86	87	91	91	91	98	101	101	95	94	80	86.8
	MIN	66	59	65	68	62	49	50	50	50	54	59	65	65	62	54	52	56	56	60	56	52	62	62	63	62	62	62	63	65	61	52	58.8
MORGANTOWN MUNICIPAL AP	MAX	82	85	80	79	60	71	76	79	78	87	77	81	76	76	78	81	79	78	80	80	76	85	86	88	92	96	98	95	87	81	74	81.3
	MIN	64	58	60	59	56	52	54	55	58	56	63	66	62	60	53	58	63	61	60	56	59	58	61	65	64	66	68	70	67	65	57	60.5
MORGANTOWN NO 1	MAX	87	85	79	79	71	71	76	80	81	80	78	83	78	79	79	82	80	77	82	82	82	79	84	86	92	94	97	97	90	81	77	82.2
	MIN	59	62	61	59	61	53	56	57	57	60	65	69	64	61	54	57	67	60	61	58	61	59	61	66	69	66	67	68	66	65	64	61.7
MORGANTOWN LOCK 10 LOWER	MAX	87	87	88	82	82	61	75	78	82	82	86	80	86	81	81	80	85	83	80	85	84	83	87	90	91	96	99	101	99	94	86	85.2
	MIN	67	60	60	59	58	55	52	54	57	55	55	60	63	59	56	57	58	59	60	59	60	59	60	62	63	65	66	66	67	66	64	60.0
NEW CUMBERLAND DAM 9	MAX	88	89	89	82	74	75	77	83	80	85	82	85	80	80	82	83	87	83	75	71	74	88	90	94	97	95	101	99	91	84	77	84.5
	MIN	64	70	67	69	58	51	56	58	49	53	57	61	62	56	54	56	49	54	61	50	52	61	62	64	64	76	73	72	70	67	67	60.7
NEW MARTINSVILLE	MAX	88	88	87	86	80	79	80	85	86	90	85	87	84	85	85	87	89	85	87	85	85	90	90	94	98	99	102	101	95	87	81	88.1
	MIN	65	58	59	58	58	49	52	55	56	58	60	64	60	64	57	57	58	59	60	63	64	63	63	65	65	67	70	70	66	65	65	61.1
OAK HILL	MAX	78	75	79	74	80	63	68	73	76	79	80	84	80	81	74	71	78	80	78	79	78	82	82	85	86		92	93	93	91	85	79.9
	MIN	66	62	67	65	57	50	49	53	54	55	56	57	63	62	60	56	60	60	57	55	55	65	58	60	60		60	61	61	61	61	58.9
PARKERSBURG WOOD CO AP	MAX	84	87	85	85	69	74	77	81	84	86	84	83	83	81	82	82	85	81	83	82	86	87	89	92	95	95	99	99	94	89	78	85.2
	MIN	65	60	61	60	56	52	52	52	57	58	63	65	62	63	54	57	55	63	60	59	61	62	62	64	66	65	68	70	68	66	59	60.6
PARKERSBURG WB CITY	MAX	86	87	84	82	71	75	80	82	84	87	86	86	84	79	80	81	86	82	82	80	84	85	88	93	95	95	100	98	93	86	77	85.1
	MIN	67	61	63	59	58	52	53	54	56	60	64	65	65	57	60	55	65	60	61	61	62	63	64	65	68	70	71	68	66	62	61.9
PARSONS	MAX	80	84	81	78	75	70	74	78	79	84	83	81	80	76	81	83	77	81	81	80	78	84	85	87	91	95	96	94	90	88	76	82.3
	MIN	64	57	63	63	55	51	48	50	51	52	56	64	59	60	54	53	59	53	59	58	54	55	59	59	60	61	62	62	66	61	61	57.7
PETERSBURG WB CITY	MAX	76	85	79	78	69	74	78	82	82	83	86	85	81	79	82	83	81	83	82	80	77	86	87	89	94	96	99	99	95	92	77	83.8
	MIN	65	58	66	67	51	50	51	50	54	53	59	64	63	60	52	52	57	57	60	61	60	57	59	62	59	61	62	62	65	60	57	58.5
PIEDMONT	MAX	85	87	83	77	71	74	76	81	83	81	83	84	79	78	83	83	80	78	84	80	77	83	83	87	84	96	98	99	96	91	87	83.6
	MIN	63	59	62	66	62	49	50	53	56	52	60	64	60	57	52	53	57	56	59	59	60	60	62	66	63	63	62	64	69	63	63	59.5
PINEVILLE	MAX	86	78	84	77	84	65	75	75	74	85	88	86	85	86	83	85	80	83	85	82	82	87	88	91	92	94	96	97	88	97	92	84.8
	MIN	63	59	62	65	60	48	50	51	50	55	56	60	59	60	58	57	60	54	58	49	55	56	59	60	60	60	60	62	53	59	60	57.4
POINT PLEASANT	MAX	86	87	84	81	73	76	80	83	85	88	87	85	88	84	82	82	87	86	86	84	86	87	91	93	94	98	100	100	96	91	79	86.7
	MIN	65	62	65	62	60	53	55	57	63	59	66	66	64	65	59	59	57	68	62	61	60	62	63	64	65	67	67	69	69	65	64	62.7
RAINELLE NO 1	MAX	75	83	79	80	65	75	75	78	80	86	80	82	82	77	80	75	80	80	80	79	79	85	84	87	89	93	95	97	80	75	79	81.1
	MIN	60	58	63	64	53	50	44	45	46	46	62	62	55	60	49	50	55	47	53	50	51	54	56	55	53	57	57	59	60	58	57	54.5
RAVENSWOOD DAM 22	MAX	85	88	88	85	80	74	79	82	84	89	88	85	86	86	83	84	85	85	85	86	86	90	93	96	96	98	100	101	94	90	86	87.6
	MIN	62	57	64	61	58	48	51	52	55	55	62	65	58	62	53	55	53	61	57	57	56	57	59	60	61	63	63	66	64	62	64	58.7
RICHWOOD	MAX	83	82	84	82	78	62	67	74	79	82	80	81	82	81	77	79	79	79	80	78	83	86	83	84	87	88	93	84	92	89	86	81.4
	MIN	60	58	60	58	53	42	40	40	46	48	50	52	56	58	44	48	48	45	45	47	48	51	56	59	56	59	56	56	56	54	56	51.8
RIPLEY	MAX	86	88	85	85	79	76	80	82	86	88	87	86	88	85	85	84	87	84	87	85	88	91	93	93	99	99	100	101	98	93	81	88.0
	MIN	63	57	64	62	57	48	51	53	54	55	61	64	59	63	55	55	55	59	58	57	57	57	59	60	60	62	64	65	64	61	63	58.8
ROMNEY	MAX	80	87	83	76	73	75	78	82	83	84	84	85	84	80	85	82	81	82	84	81	80	84	80	90	96	99	100	101	97	91	78	84.7
	MIN	65	58	62	65	50	48	50	50	55	52	57	63	59	58	60	51	52	50	60	50	56	58	60	63	60	62	62	62	65	60	61	57.6
ROWLESBURG NO 1	MAX	80	84	86	77	80	61	74	75	72	81	85	84	83	85	78	83	83	79	81	84	84	81	87	85	90	91	97	98	95	90	87	80.7
	MIN	66	60	61	63	59	54	52	53	54	54	55	58	62	59	55	55	55	57	58	59	59	58	61	61	64	65	62	62	64	64	62	59.1
SALEM	MAX	85	89	89	85	74	76	78	83	84	87	88	86	83	86			84	86					90									
	MIN	65	56	62	59	59	46	49	50	52	53	55	66	61	57			55	55					56									
SPENCER	MAX	81	82	84	75	81	66	71	75	78	87	84	82	82	82	77	79	78	81	82	82	80	82	84	86	89	92	94	95	95	94	88	82.8
	MIN	65	59	63	63	59	48	51	55	56	55	59	66	61	63	56	57	60	60	60	57	57	59	60	60	61	63	65	68	65	63	65	60.0
SUMMERSVILLE	MAX	77	80	75	80	59	70	74	77																								
	MIN	55	60	61	53	41	46	46	47														80	85	86	89	93	92	92	90	84	87	
SUTTON	MAX	87	88	88	86	86	73	81	86	88	91	91	88	88	88	83	84	88	88	85	84	88	51	52	52	53	57	70	57	70	68	45	
	MIN	61	58	60	62	58	48	47	54	55	55	60	62	60	62	55	56	60	55	59	58	58	89	91	94	95	100	101	101	101	95	92	89.3
TION	MAX	86	68	81	77	77	62	72	72	76	79	83	83	83	83	80	79	77	77	81	82	80	78	85	86	87	88	91	92	94	92	89	81.3
	MIN	64	57	63	65	59	49	45	46	50	54	57	62	50	62	50	54	57	54	57	53	56	57	59	58	57	58	60	60	58	57	61	56.4
VALLEY CHAPEL	MAX	87	90	89	85	82	75	79	82	85	89	89	86	86	81	86	85	87	84	85	84	86	90	90	95	98	99	103	101	100	92	79	88.0
	MIN	65	57	64	62	59	48	49	52	53	55	57	67	60	63	54	56	61	56	59	58	59	58	61	62	62	64	68	68	66	62	64	59.6
VENNA BRISCOE	MAX		87	87	85	78	77	78	80	85	86	86	85	86	82	86	83	86	86	83	83	85	85	89	93	96	96	99	97	90	89	85	86.4
	MIN		60	63	60	59	47	64	55	56	57	61	64	59	62	59	54	57	61	60	56	62	64	60	66	66	67	71	70	64	66	66	61.2

See reference notes following Station Index

TABLE 5 — Continued

DAILY TEMPERATURE (°FAHRENHEIT)

STATION		DAY OF MONTH																													MEAN
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WARDENSVILLE R M FARM	MAX	75	75	84	83	74	71	74	76	79	81	80	85	84	79	77	81	81	78	83	80	71	78	85	80	88	92	95	95	97	92	90	82.0
	MIN	65	55	64	67	63	48	48	49	52	51	57	60	57	60	51	51	50	51	60	56	54	56	60	61	60	61	61	61	64	59	60	57.2
WEBSTER SPRINGS	MAX	80	83	80	81	66	70	74	77	80	84	84	81	79	78	80	80	78	81	80	81	81	84	86	86	89	93	95	94	90	88	75	81.9
	MIN	65	59	64	64	57	52	50	52	51	52	58	65	61	63	55	55	60	53	60	57	56	54	61	60	62	63	63	63	64	61	63	58.8
WELLSBURG 3 NE	MAX	88	88	86	83	76	77	80	83	81	86	82	87	83	81	81	85	85	81	82	83	84	86	81	94	97	95	100	100	92	88	77	85.5
	MIN	56	58	52	64	57	49	49	52	55	50	54	61	63	54	52	51	66	68	58	64	59	75	63	62	61	71	64	64	64	65	62	59.5
WESTON	MAX	88	87	89	76	84	64	75	79	82	86	89	88	87	83	82	84	86	83	80	86	84	83	89	90	93	96	98	100	98	94	90	86.2
	MIN	66	60	60	64	61	50	50	51	53	53	57	59	64	63	58	58	59	59	59	60	60	57	59	61	62	63	65	65	68	63	63	59.7
WHEELING OHIO CO AIRPORT	MAX	85	84	86	79	67	75	77	79	81	81	80	83	77	79	80	82	85	77	80	83	81	88	90	92	95	95	99	98	90	85	75	83.5
	MIN	61	59	55	56	55	51	52	53	57	55	60	60	60	55	53	55	60	62	59	57	59	61	62	65	67	69	69	68	71	66	55	59.6
WHEELING WARWOOD DAM 12	MAX	85	85	85	85	84	68	77	81	81	81	83	82	84	79	80	80	82	85	81	82	82	84	89	90	93	97	98	99	99	92	88	85.2
	MIN	62	60	58	58	58	53	55	56	56	56	60	62	64	56	56	57	57	61	63	61	62	63	64	65	67	67	67	70	68	68	66	61.2
WHITE SULPHUR SPRINGS	MAX	85	80	79	80	78	75	78	77	80	85	81	86	84	82	82	78	76	81	82	81	81	84	88	90	91	94	95	97	94	90	88	83.9
	MIN	60	58	65	64	63	49	45	59	48	51	57	61	56	60	49	67	57	55	58	54	55	54	52	59	58	70	61	60	57	55	65	57.5
WILLIAMSON	MAX	82	85	87	76	85	69	78	81	83	87	91	85	87	92	89	85	83	88	88	85	85	88	92	94	95	96	98	100	100	99	96	88.0
	MIN	66	64	68	69	59	59	55	55	59	62	60	63	64	65	59	60	61	59	64	58	62	60	63	64	62	65	67	66	67	63	65	62.4
WINFIELD LOCKS	MAX	84	84	89	76	83	70	75	81	82	86	87	84	85	87	81	83	82	86	82	85	87	88	90	91	95	97	97	100	100	97	93	86.7
	MIN	66	61	62	66	60	54	54	56	57	60	60	67	63	65	59	59	59	59	62	60	61	62	63	64	65	66	68	70	68	65	65	62.1

See reference notes following Station Index

TABLE 6

DAILY EVAPORATION (INCHES) AND WIND MOVEMENT (MILES)

WEST VIRGINIA

AUGUST 1948

STATION		DAY OF MONTH																													TOTAL	DEPARTURE FROM NORMAL
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31		
CLARKSBURG NO 1	EVAP.	.169	.164	.129	.091	.132	.071	.109	.104	.134	.127	.137	.164	.148	.189	.143	.127	.184	.098	.069	.107	.117	.082	.081	.093		.124	.099	.137	.146	.140	.130	3.747	
	WIND	38	42	37	16	50	35	54	8	25	23	18	33	43	63	42	31	40	13	33	14	40	24	26	8		19	18	20	34	48	28	923	
WARDENSVILLE R M FARM	EVAP.	.088	.010	.173	.116	.092	.076	.191	.165	.122	.018	.183	.265	.225	.183	.201	.070	.205	.122	.268	.057	.378	.169	.259	.040	.254	.189	.220	.136	.253	.283	.168	5.180	
	WIND	8	7	14	9	26	19	24	9	5	10	7	9	9	21	13	11	10	4	15	2	21	2	4	8	11	10	4	8	8	4	23	333	

TABLE 7

DAILY RIVER STAGES (FEET)

WEST VIRGINIA

AUGUST 1948

RIVER AND STATION	FLOOD STAGE	DAY OF MONTH																													HIGHEST (OR CREST)	DATE	LOWEST	DATE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
POTOMAC																																				
HARPERS FERRY	18	1.3	1.2	1.7	3.0	3.6	3.1	3.2	2.6	2.5	2.4	2.0	1.9	4.0	3.2	3.0	2.8	2.2	1.8	1.5	1.4	2.0	3.2	3.0	2.8	2.0	1.8	1.8	1.2	1.2	1.0	1.0	4.0	13	1.0	30+
TYGART																																				
ELKINS	14	3.3	3.0	3.0	3.3	3.0	3.2	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	3.0	2.9	2.9	2.9	2.8	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.9	2.8	2.8	2.8	2.8	3.3	1+	2.8	28+
PHILIPPI	20	3.7	5.5	4.4	5.8	8.2	8.6	6.6	4.9	4.2	3.7	3.4	3.2	4.5	4.0	3.6	3.7	3.3	3.2	3.2	3.1	2.8	2.7	3.2	2.9	2.7	2.5	2.3	2.3	2.2	2.1	2.3	8.6	6	2.1	30
WEST FORK																																				
WESTON	15	2.9	2.9	2.6	2.4	8.7	5.8	3.9	3.4	2.8	2.6	2.4	2.9	2.7	2.6	2.4	2.3	2.3	2.0	2.4	2.2	2.1	2.1	2.1	2.0	1.8	1.8	1.7	1.5	1.6	1.6	1.7	8.7	5	1.5	28
MONONGAHELA																																				
BOULT LOCK 15 L	22	8.8	8.5	9.3	9.4	11.1	10.2	10.3	11.0	10.8	10.7	9.0	8.6	8.5	8.0	8.1	8.2	8.2	8.2	8.1	8.2	8.2	8.0	8.0	8.0	7.9	7.7	7.7	7.7	7.7	7.6	7.7	11.1	5	7.8	30
BOULT LOCK 15 U		8.7	8.5	8.2	9.3	9.8	9.8	9.9	10.4	10.2	10.2	8.8	8.5	8.5	8.0	8.0	8.2	8.2	8.2	8.2	8.3	8.3	8.2	8.2	8.1	7.9	7.8	7.7	7.7	7.7	7.6	7.8	10.4	9	7.6	30
MORGANTOWN LOCK 10 L	25	8.8	8.8	9.0	9.6	10.9	10.5	10.8	11.2	11.0	10.7	9.7	9.1	8.8	8.5	8.3	8.5	8.5	8.4	8.4	8.5	8.5	8.4	8.4	8.4	8.3	8.0	8.1	8.0	8.0	7.9	8.0	11.2	8	7.9	30
MORGANTOWN LOCK 10 U		8.6	8.4	8.4	9.2	12.3	9.8	10.0	11.4	10.2	10.1	8.1	8.7	8.5	8.1	7.8	5.1	8.1	8.1	8.1	8.2	8.2	8.1	8.1	8.0	7.9	7.6	7.6	7.6	7.6	7.6	7.7	12.3	5	5.1	18
LITTLE KANAWHA																																				
GLENVILLE	23	2.8	3.8	3.4	4.1	6.3	5.6	4.7	3.8	3.3	3.0	2.8	2.8	3.6	3.4	3.2	3.0	2.9	3.2	3.1	3.4	3.1	2.8	2.6	2.4	2.4	2.3	2.2	2.1	2.1	2.0	3.4	6.3	5	2.0	30
CREXTON	20	3.3	3.5	3.3	3.3	3.6	4.6	4.6	3.9	3.5	3.2	3.0	2.9	3.0	3.0	3.2	3.0	2.9	2.8	2.9	2.9	2.9	2.9	2.8	2.6	2.6	2.4	2.2	2.2	2.1	2.0	2.1	4.6	6+	2.0	30
GAULEY																																				
CAMDEN ON GAULEY	23	5.1	4.7	3.6	4.0	9.0	6.8	5.0	4.1	3.3	2.9	2.7	3.1	3.8	3.1	3.0	2.8	2.6	2.4	2.7	2.7	2.4	2.2	2.8	2.6	2.5	2.3	2.2	2.1	1.9	2.2	2.1	8.0	5	1.9	29
NEW																																				
HINTON	14	1.0	1.3	2.0	2.1	3.0	4.0	3.5	3.1	2.3	1.7	1.5	1.4	1.5	1.7	1.6	1.4	1.2	1.2	1.2	1.2	1.3	1.2	1.0	1.3	1.2	1.2	1.2	1.2	1.0	0.2	1.1	4.0	6	0.2	30
KANAWHA																																				
KANAWHA FALLS	25	2.6	3.7	3.9	4.6	8.2	8.7	7.9	7.0	5.8	3.7	3.3	3.1	3.2	3.5	3.6	3.3	2.8	2.6	2.0	2.6	3.0	2.7	2.6	2.2	2.4	2.3	2.2	2.2	2.2	2.0	1.7	8.7	6	1.7	31
LONDON LOCKS L	43	9.2	9.7	9.1	10.2	14.1	14.8	13.4	12.8	11.3	9.7	9.2	9.3	8.0	9.7	9.5	9.2	9.3	8.2	8.9	9.2	8.3	9.3	9.1	9.6	8.4	9.2	9.2	9.1	9.0	9.0	9.0	14.6	6	8.9	19
LONDON LOCKS U		17.7	18.0	18.0	17.9	18.2	18.1	18.0	17.7	18.0	17.5	17.9	17.9	17.8	17.7	17.9	17.9	17.9	18.0	17.8	17.9	17.8	17.8	17.9	17.8	17.8	18.0	17.8	17.8	17.2	17.6	16.8	18.2	5	16.8	31
CHARLESTON	34	7.0	7.0	7.4	7.8	8.2	11.2	11.0	10.0	8.6	7.6	7.4	7.4	7.2	7.2	7.2	7.2	7.2	7.0	7.0	7.0	7.4	7.2	7.2	7.2	7.2	7.2	7.2	7.0	7.0	7.0	7.0	11.2	6	7.0	1+
STANDOT																																				
LOGAN	20	2.6	2.6	2.8	3.0	4.1	4.7	3.8	3.5	3.1	2.8	2.7	2.7	2.6	2.6	2.5	2.3	2.3	2.5	2.7	3.2	3.2	3.1	3.0	2.8	2.8	2.9	2.9	2.8	2.8	2.7	2.7	4.7	6	2.3	18+
TWELVE POLE CREEK																																				
WAYNE	25	3.3	3.4	3.4	4.8	8.1	5.3	4.6	4.2	4.1	3.7	3.6	3.6	3.5	3.5	3.4	3.4	3.3	3.3	3.3	3.3	3.6	3.5	3.3	3.2	3.2	3.2	3.1	3.2	3.2	3.2	3.2	8.1	5	3.1	27
OHIO																																				
WHEELING WARWOOD U	36	15.4	15.4	15.5	15.8	14.8	14.3	14.8	15.0	15.0	15.3	15.4	14.6	14.8	15.0	15.1	15.5	15.5	15.4	15.4	15.6	15.6	15.4	15.6	15.5	15.5	15.6	15.6	15.5	15.6	15.5	15.5	15.6	4+	14.3	6
WHEELING WARWOOD L		10.1	8.5	10.4	10.0	11.8	13.2	11.6	10.8	11.1	10.9	10.7	13.3	13.1	11.7	10.2	10.3	9.9	9.8	8.8	10.0	10.3	9.7	8.6	8.7	9.4	9.5	9.6	8.3	9.2	8.1	9.0	13.3	12	9.0	31
PARKERSBURG	36	11.0	10.8	11.0	10.5	11.0	11.7	11.5	11.1	11.0	11.3	11.3	11.2	11.3	10.6	11.0	10.8	10.7	10.6	10.5	10.4	10.6	10.4	10.8	11.2	10.5	10.5	10.8	10.9	10.6	10.6	10.2	11.7	6	10.2	31
RAVENSWOOD DAM 22 U	44	15.4	15.2	15.5	15.4	15.3	14.3	14.8	14.9	15.0	15.1	15.2	14.7	14.8	14.9	15.1	15.2	15.6	15.5	15.3	15.5	15.5	15.6	15.5	15.5	15.3	15.6	15.7	15.7	15.6	15.6	15.6	15.7	27+	14.3	8
RAVENSWOOD DAM 22 L		10.2	10.3	8.7	8.2	10.4	12.7	12.9	10.1	10.2	8.9	10.4	11.5	11.4	11.2	10.8	9.8	8.9	9.7	8.2	8.6	10.0	10.0	8.6	8.4	9.4	8.6	8.7	9.5	9.6	9.4	9.5	12.8	7	9.2	4+
POINT PLEASANT	40	24.4	24.3	24.5	24.3	24.3	24.8	25.2	24.4	24.3	24.0	23.7	24.1	24.1	24.6	24.1	24.3	24.2	24.0	24.2	24.2	24.2	24.3	24.3	24.2	24.2	24.0	24.2	24.2	24.0	24.1	24.1	25.2	7	23.7	11
BOGSETT GALLIPOLIS U	35	18.2	18.2	18.4	18.2	17.9	18.0	18.2	18.0	18.1	17.9	17.6	17.8	17.9	18.2	18.0	18.3	18.2	18.0	18.2	18.2	18.2	18.1	18.3	18.1	18.2	18.0	18.3	18.3	18.1	18.0	18.0	18.4	3	17.6	11
BOGSETT GALLIPOLIS L	50	10.4	11.2	10.4	12.6	11.7	17.4	18.4	15.5	12.5	12.3	11.7	12.3	13.4	14.5	12.2	10.7	10.9	10.5	10.5	10.7	10.7	10.3	10.3	10.1	10.1	9.9	10.0	10.3	10.1	9.4	9.7	19.4	7	8.4	30

The following reference notes apply only to Table 7 - Daily River Stages:

Readings are made at approximately 7 a.m. (local time). They are provisional and subject to correction. Final and corrected stages will be published in the annual publication "Daily River Stages - Principal Rivers of the United States".

- e Obstructed by rough ice.
- b Frozen but open at gage.
- c Upper surface of smooth ice.
- d Ice gorge above gage.
- e Ice gorge below gage.
- f Shore ice.
- g Floating ice.
- h Pool stage.
- i Dry at gage.
- j Interpolated.

STATION INDEX

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
ABERDEEN	0012	UPSHUR	WEST FORK	39 03	80 19	1060	EST		4P		24		L ESLE BOND	2 3
ALDERSON	0102	MONROE	GREENBRIER	37 43	80 39	1550	EST	6P	6P	2	2		JOHN E FOSTER	2 3 5
ALPENA	0143	RANDOLPB	CHEAT	38 55	79 40	3020	EST		8A		14		ARTHUR G ROY	2 3
ARBOVALE	0249	POCAHONTAS	GREENBRIER	38 26	79 49	2734	EST		8A		25		H S SUTTON	2 3
ARNOLD	0307	LEWIS	WEST FORK	38 55	80 30	1100	EST		5P				E C GAY	2 3
ATHENS	0355	MERCER	BLUESTONE	37 25	81 01	2600	EST	6P	6P	3	7		CONCORD COLLEGE	2 3 5
BARTOW	0509	POCAHONTAS	GREENBRIER	38 32	70 41	2780	EST	5P	5P		16		U S FOREST SERVICE	2 3 5
HAYARD	0527	GRANT	POTOMAC-N BRANCB	39 16	79 22	2370	EST	7P	7P	45	43		HOWARD R FULK	2 3 5
BECKLEY V A BOSPITAL	0580	RALEIGH	NEW	37 47	81 11	2350	EST	4P	4P	41	41		CORPS OF ENGINEERS	2 3 5
BELINGTON	0633	BARBOUR	TYGART	39 02	79 56	1725	EST		7A		10		GEORGE R HILLYARD	2 3
BELLEVILLE DAM 20 LOWER	0645	WOOD	OBIO	39 09	81 45	600	EST		7A		31		LOCKMASTER	2 3
BENSON	0679	HARRISON	TYGART	39 09	80 03	1080	EST	4P	4P	23	23		R D MARTS	2 3 5
BENS RUN	0687	PLEASANTS	OBIO	39 27	81 07	652	EST	7P	7P	47	47		MRS C W REA	2 3 5
BERLIN	0718	LEWIS	WEST FORK	39 03	80 21	1050	EST		8A		2		MRS A P SWISHER	2 3
HIG SKIN CREEK	0824	LEWIS	WEST FORK	38 57	80 26	1050	EST		6P		8		ALBERT JEWELL	2 3
BLUEFIELD 1	0918	MERCER	BLUESTONE	37 16	81 13	2590	EST	5P	5P	49	53		NORFOLK & WESTERN RWY	2 3 5
BLUEFIELD 2	0923	MERCER	BLUESTONE	37 16	81 13	2590	EST		7A				OTA C KEENEY	2 3
HLUESTONE DAM	0939	SUMMERS	HLUESTONE	37 38	80 53	1408	EST	8A	8A	5	5		WILLARD F RUSSELL	2 3 5
BRANCHLAND	1075	LINCOLN	GUYANDOT	38 13	82 12	600	EST		7A		5		VERLIN H ADKINS	2 3
BRANDONVILLE	1083	PRESTON	CHEAT	39 40	79 37	1798	EST	10A	10A	6	16		JAMES I GALLOWAY	2 3 5
BRANDYWINE	1091	PENDLETON	SOUTH BRANCH-S FORK	38 38	79 14	1586	EST	6P	6P	31	31		MRS MARY M JOSEPH	2 3 5
BROWNSVILLE	1173	LEWIS	WEST FORK	39 03	80 29	1032	EST	4P	4P	24	24		M D HAWKINS	2 3 5
HRUSHY FORK	1196	HARRISON	WEST FORK	39 13	80 13	1030	EST		4P		1		MRS ABBIE PARKS	2 3
BRUSHY RUN	1204	PENDLETON	POTOMAC-S BRANCB	38 50	79 15	1375	EST		7A		9		JOHN B SHREVE	2 3
BUCKHANNON	1220	UPSHUR	BUCKHANNON	39 00	80 16	1459	EST	6P	6P	53	57		DR ARTHUR H GOULD	2 3 5
CABWAYLINGO STATE FOREST	1319	WAYNE	TWELVEPOLE CREEK	37 59	82 21	740	EST	6P	6P				FOREST CUSTODIAN	2 3 5
CAIRO 3 MI S	1328	RITCBIE	HUGHES	39 10	81 10	680	EST	6P	6P	42	38		EUREKA PIPE LINE CO	2 3 5
CAMDEN-ON-GAULEY	1363	WEBSTER	GAULEY	38 22	80 38	2029	EST		8A		46		WILLIAM F COMPTON	2 3 7
CANAAN VALLEY	1393	TUCKER	CHEAT	39 03	79 26	3250	EST	6P	6P	3	3		GEORGE B THOMPSON	2 3 5
CHARLESTON-KANAWHA CO AIRPORT	1570	KANAWHA	KANAWHA	38 22	81 36	950	EST		x				CIVIL AERO ADM	2 3 4
CHARLESTON 1	1575	KANAWHA	KANAWHA	38 21	81 38	615	EST	9A	9A	44	61		W VA WATER SERVICE CO	2 3 5
CHARLESTON 2	1580	KANAWHA	KANAWHA	38 21	81 38		EST		7A				JAMES R WOODFORD	2 3 7
CHARLESTON 3	1585	KANAWHA	KANAWHA	38 21	81 38	600	EST		MID				WILLIAM KESSLER	2 3 4
CLARKSBURG-BENEDUM FIELD	1672	HARRISON	WEST FORK	39 17	80 14	1188	EST	MID	x	8	8		U S AIRWAY STATION	2 3 4 5
CLARKSBURG 1	1677	HARRISON	WEST FORK	39 16	80 21	1015	EST	7A	7A	25	31	23	PERKINS BOYNTON	2 3 5 6
CLARKSBURG 2	1682	HARRISON	WEST FORK	39 17	80 20	1000	EST		6P		4		SAMUEL R PERINE	2 3 4
CLAY 1	1696	CLAY	ELK	38 28	81 05	790	EST		8A		34		LEWIS E WOOFTER	7
CLAY 2	1701	CLAY	ELK	38 28	81 04	650	EST		MID				MUNICIPAL WATER PLANT	2 3 4
COALWOOD	1798	MC DOWELL	TUG FORK	37 23	81 39	1450	EST	5P	5P	5	5		W A MC NEES	2 3 5
COBURN CREEK	1806	HARRISON	WEST FORK	39 15	80 26	1075	EST		5P		2		MISS I M GREATHOUSE	2 3
CRANBERRY GLADES	2013	POCAHONTAS	GREENBRIER	38 11	80 16	3400	EST	6P	6P	4	4		FEDERAL PRISON CAMP	2 3 5
CRAWFORD	2022	LEWIS	WEST FORK	38 52	80 26	1107	EST		6P		24		MISS HELLE BLAIR	2 3
CRESTON	2054	WIRT	LITTLE KANAWHA	38 57	81 16	656	EST		7A		47		MRS NELLIE B ARTHUR	2 3 7
DAILEY	2151	RANDOLPB	TYGART	38 49	79 53	1975	EST		7A		10		LAURA E FULWIDER	2 3
DAVIS	2209	TUCKER	CHEAT	39 08	79 27	3120	EST		MID		10		MARY DUMAS	2 3 4
DAVISSON RUN	2217	HARRISON	WEST FORK	39 16	80 24	1000	EST		6P		3		MRS I H ALESTOCK	2 3
DUCK CREEK	2488	HARRISON	WEST FORK	39 09	80 24	1068	EST		9A		2		MRS A ELEANOR TALBOTT	2 3
ELK	2701	HARRISON	WEST FORK	39 11	80 14	1000	EST		5P		11		MRS S R HARRISON JR	2 3
ELKINS 1	2713	RANDOLPH	TYGART	38 53	79 51		EST		7A				D M TYLER	2 3
ELKINS WB AIRPORT	2718	RANDOLPB	TYGART	38 53	79 51	2006	EST	MID	MID	49	49		U S WEATHER BUREAU	2 3 4 5 7
FAIRMONT	2920	MARION	MONONGAHELA	39 28	80 09	1023	EST	MID	MID	43	56		GLENN L MILLAN	2 3 5
FINK RUN	3024	UPSHUR	HUCKHANNON	39 00	80 16	1420	EST		4P		2		MRS BERTHA M BILL	2 3
FLAT TOP	3072	MERCER	BLUESTONE	37 35	81 06	3270	EST	MID	1A	10	10		U S AIRWAY STATION	2 3 4 5
FRANKLIN	3215	PENDLETON	POTOMAC- S BRANCB	38 42	79 20	1750	EST		7A		11		DICK B MURPHY	2 3 4
FREEMANSBURG	3238	LEWIS	WEST FORK	39 06	80 32	1030	EST		MID		10		EDDIE MC INTYRE	2 3 4
GARY	3353	MC DOWELL	TUG FORK	37 22	81 33	1426	EST	8A	8A	28	31		E F KETTER	2 3 4 5
GLENVILLE 1	3544	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	6P	7A	53	59		FRED W WELLS	2 3 5
GLENVILLE 2	3549	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	7A			59		MRS KATHLEEN W WELLS	2 3 7
GRAFTON	3630	TAYLOR	TYGART	39 21	80 01	1100	EST	6P	6P	53	51		WILLIAM D MYERS	2 3 5
GRANTSVILLE	3648	CALHOUN	LITTLE KANAWHA	38 56	81 06	730	EST	8A	8A	2	2		BOPE NATURAL GAS CO	2 3 5
HACKERS CREEK	3793	HARRISON	WEST FORK	39 08	80 26	1020	EST		5P		11		FOREST ENGELHARDT	2 3
HALL	3816	BARBOUR	BUCKHANNON	39 03	80 07	1375	EST		MID		9		MRS OPAL R JACKSON	2 3 4
HAMLIN	3848	LINCOLN	MUD	38 17	82 06	642	EST	8A	8A	5	5		W VA WATER SERVICE CO	2 3 5
HARPERS FERRY	3927	JEFFERSON	POTOMAC	39 19	77 44	400	EST		7A		59		MISS ELEANOR J WHITE	2 3 7
HARRISON	3935	MINERAL	POTOMAC- N BRANCH	39 22	79 12	1700	EST		8A		8		LEONARD E PAUGH	2 3
HASTINGS	3974	WETZEL	OBIO	39 33	80 40	809	EST		3P		12		L G MC INTYRE	2 3
HINTON 1	4170	SUMMERS	NEW	37 40	80 53	1431	EST	7A	7A	50	59		MRS M L MC CLUNG	2 3 5
BINTON 2	4175	SUMMERS	NEW	37 40	80 53		EST						LOCKMSTR LONDON LOCKS	7
HOGSETT GALLIPOLIS DAM LOWER	4200	MASON	OBIO	38 41	82 11	564	E8T		7A		10		LOCKMASTER	2 3 7
HOGSETT GALLIPOLIS DAM UPPER	4201	MASON	OHIO	38 41	82 11		EST						LOCKMASTER	7
BORNER	4281	LEWIS	WEST FORK	38 59	80 22	1075	EST		4P		24		MAPLE B SUMMERS	2 3
BOULT LOCK 15 LOWER	4309	MARION	MONONGAHELA	39 34	80 08	882	EST		7A		26		LOCKMASTER	2 3 7
BOULT LOCK 15 UPPER	4310	MARION	MONONGAHELA	39 34	80 08		EST						LOCKMASTER	7
HUNDRED	4369	WETZEL	OBIO	39 41	80 27	1034	EST		MID		10		J A FURBEE	2 3 4
HUNTINGTON 1	4378	CABELL	OBIO	38 25	82 26	571	EST	6P	6P	51	52		H N ROBINSON	2 3 5
HUNTINGTON 2	4383	CABELL	OBIO	38 25	82 26	600	EST		MID				U S ENGINEERS	2 3 4
IAEGER	4408	MC DOWELL	TUG FORK	37 28	81 49		EST		7A		1		MRS TINA L TANNER	2 3
INWOOD	4470	BERKELEY	POTOMAC	39 22	78 03	569	EST	5P	5P	13	14		B W PRETTYMAN	2 3 5
IRELAND	4478	LEWIS	WEST FORK	38 49	80 28	1142	EST		7A		11		PAUL B LOUDIN	2 3
ISAACS CREEK	4499	HARRISON	WEST FORK	39 12	80 30	1063	EST		5P		2		MRS C A MOORE	2 3
JANE LEW	4559	LEWIS	WEST FORK	39 08	80 25	1020	EST		4P		24		MRS RETA GOLDSMITH	2 3
JESSE RUN	4819	LEWIS	WEST FORK	39 08	80 20	1080	EST		7P		1		WIRT C MYERS	2 3
KANAWHA FALLS	4727	FAYETTE	KANAWHA	38 07	81 08		EST						LOCKMSTR LONDON LOCKS	7
KAYFORD	4755	KANAWHA	KANAWHA	38 01	81 27	1335	EST		7A		31		TRUAX-TRAER COAL CO	2 3
KEARNEYSVILLE	4783	JEFFERSON	POTOMAC	39 23	77 53	548	EST	4P	4P	17	18		UNIVERSITY EXP STA	2 3 5
KERMIT	4816	MINGO	TUG	37 50	82 25	620	EST		7A		23		ROY A DEMPSEY	2 3
KINGWOOD	4897	PRESTON	CHEAT	39 28	79 42	1890	EST	5P	5P	4	4		STATE ROAD COMMISSION	2 3

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
KNOBLY MOUNTAIN	4941	MINERAL	POTOMAC	39 22	79 00	1400	EST		7A		8		DAVID A ARNOLD	2 3
KUMBRABOW STATE FOREST	4971	RANDOLPB	TYGART	38 35	80 05	3210	EST	5P	5P	8	8		O C HAMILTON	2 3 5
LAKE FLOYD	4994	HARRISON	WEST FOBK	39 17	80 30	1110	EST		6P		2		W M BENNETT	2 3
LAKE LYNN	5002	MONONGALIA	CHEAT	39 43	79 51	900	EST		MID		24		WEST PENN POWER CO	2 3 4
LAKIN	5010	MASON	OBIO	38 58	82 05	640	EST		MID				W VA AGR EXP FARM	2 3 4
LE SAGE-GREENBOTTOM	5055	CABELL	OBIO	38 33	82 17	550	EST	8A	8A	10	10		STATE FOREST NURSERY	2 3 5
LEWISBURG	5224	GREENBRIER	GREENBRIER	37 48	80 26	2250	EST	5P	5P	46	52		PROF H B GRAYBILL	2 3 5
LINDSIDE	5284	MONROE	NEW	37 27	80 40	2000	EST		8A		8		MRS K L BALLARD	2 3
LITTLE SKIN CREEK	5314	LEWIS	WEST FORK	38 58	80 25	1068	EST		6P		2		MRS ROY HAWKINS	2 3
LIVERPOOL	5323	JACKSON	OBIO	38 54	81 32		EST		MID				BROOKS E UTT	2 3 4
LOCKNEY	5341	GILMER	LITTLE KANAWHA	38 51	80 58	720	EST		MID				BOPE NATURAL GAS CO	2 3 4
LOGAN	5353	LOGAN	GUYANDOT	37 51	82 00	700	EST	8A	8A	21	35		J W RUFF	2 3 4 5 7
LONDON LOCKS LOWER	5365	KANAWHA	KANAWHA	38 12	81 22	623	EST	7A	7A	13	13		LOCKMASTEB	2 3 5 7
LONDON LOCKS UPPER	5366	KANAWHA	KANAWHA	38 12	81 22		EST						LOCKMASTER	7
MAC FARLAN	5547	RITCBIE	HUGHES	39 05	81 12	670	EST		MID				FRANK P PRIBBLE	2 3 4
MADISON	5563	BOONE	LITTLE COAL	38 03	81 49	675	EST	8A	8A	26	27		W VA WATEB SERVICE CO	2 3 5
MAN	5600	LOGAN	GUYANDOT	37 44	81 53	729	EST		5P		6		RUSSELL E WHITE	2 3
MANNINGTON 1 MI N	5621	MARION	MONONGAHELA	39 33	80 21	974	EST	6P	6P	46	46		JAMES A MORGAN	2 3 5
MANNINGTON 2	5626	MARION	MONONGAHELA	39 32	80 21	980	EST		8A		2		BENJAMIN S SMITH	2 3
MARLINTON	5672	POCAHONTAS	GREENBRIER	38 13	80 05	2150	EST		MID				CECIL A CURRY	2 3 4
MARTINSBURG MUNICIPAL AIRPORT	5707	BERKELEY	POTOMAC	39 24	77 59	545	EST	MID	MID	50	56		CIVIL AERO ADM	2 3 4 5
MATHIAS	5739	HARDY	LOST RIVER	38 52	78 52	1550	EST		MID				VIRGIL L MATHIAS	2 3 4
MC MECHEN DAM 13	5847	MARSHALL	OBIO	39 59	80 44	655	EST		7A		32		LOCKMASTER	2 3
MC NEILL 2 MI NE	5855	HARDY	POTOMAC-S BRANCB	39 09	78 54	800	EST	6P	6P	14	14		R E SAVILLE	2 3 5
MIDDLEBOURNE 3 MI SE	5963	TYLER	OBIO	39 29	80 52	750	EST	7A	7A	7	7		LAWRENCE A CRUMRINE	2 3 5
MIDVALE	5984	RANDOLPB	TYGART-MIDDLE FORK	38 56	80 06	1850	EST		7A		10		MRS RUTH G DARNALL	2 3
MOOREFIELD	6163	HARDY	POTOMAC-S BRANCH	39 04	78 58	800	EST	6P	MID	40	40		HAROLD J DODD	2 3 4 5
MORGANTOWN MUNICIPAL AIRPORT	6202	MONONGALIA	MONONGAHELA	39 38	79 55	1245	EST	MID	MID	2	2		CIVIL AERO ADM	2 3 4 5
MORGANTOWN 1	6207	MONONGALIA	MONONGAHELA	39 38	79 57	1050	EST	6P	6P	54	72		PROF L M PEAIBS	2 3 5
MORGANTOWN LOCK 10 LOWER	6212	MONONGALIA	MONONGAHELA	39 38	79 58	826	EST	7A	7A	26	26		LOCKMASTER	2 3 5 7
MORGANTOWN LOCK 10 UPPER	6213	MONONGALIA	MONONGAHELA	39 38	79 58		EST						LOCKMASTER	7
MOUNT CLARE	6276	HARRISON	WEST FORK	39 13	80 20	1040	EST		6P		11		MISS PAULINE HESS	2 3
NAOMA	6362	RALEIGB	COAL	37 52	81 30	1100	EST		MID		5		MRS SYLVIA H PETTERY	2 3 4
NEW CUMBERLAND DAM 9	6442	HANCOCK	OBIO	40 30	80 37	671	EST	6P	6P	53	50		C O VALENTINE	2 3 5
NEW MARTINSVILLE	6467	WETZEL	OBIO	39 39	80 52	637	EST	6P	6P	55	54		DR Z W ANKROM	2 3 5
OAK BILL	6591	FAYETTE	NEW	37 58	81 09	1950	EST	7A	7A	6	6		MILES B MARTIN	2 3 4 5
OMPS	6674	MORGAN	POTOMAC	39 30	78 17	950	EST		7A		2		MISS MARY O BOVERMALE	2 3
PARKERSBURG-WOOD CO AIRPORT	6849	WOOD	OBIO	39 21	81 26	837	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
PARKERSBURG WB CITY	6859	WOOD	OBIO	39 16	81 34	615	EST	7A	7A	59	63		U S WEATHER BUREAU	2 3 4 5 7
PARSONS	6867	TUCKER	CHEAT	39 06	79 40	1649	EST	5P	5P	49	49		D A OLIVER	2 3 5
PAW PAW	6876	MORGAN	POTOMAC	39 32	78 28		EST						MISS LILLIAN E HESSER	2 3
PETERSBURG WB CITY	6954	GRANT	POTOMAC-S BRANCB	39 00	79 07	1013	EST	MID	MID	9	9		U S WEATHER BUREAU	2 3 4 5
PHILIPPI	6982	BARBOUR	TYGART	39 04	80 03	1300	EST		7A		55		MRS HELEN M LEACH	2 3 7
PICKENS 2	6996	RANDOLPB	BUCKHANNON	38 39	80 13	2701	EST		7A		8		MRS ELSIE M ARMSTRONG	2 3
PIEDMONT	7004	MINERAL	NORTH BRANCB	39 29	79 02	1053	EST	5P	5P	34	33		C A SUTER JR	2 3 5
PINEVILLE	7029	WYOMING	GUYANDOT	37 35	81 32	1350	EST	7A	7A	5	5		WALTER C BYRD	2 3 5
POINT PLEASANT	7105	MASON	OHIO	38 51	82 08	540	EST	4P	7A	54	58		E C WINGER	2 3 5 7
POLK CREEK	7115	LEWIS	WEST FORK	39 03	80 34	1074	EST		5P		2		HOWARD CUNNINGHAM	2 3
PRINCETON	7207	MERCER	BLUESTONE	37 22	81 05	2410	EST		7A		18		W VA WATER SERVICE CO	2 3
RAINELLE 1	7306	GREENBRIER	GAULEY	37 55	80 51	2424	EST	6P	6P	17	17		L G SWING	2 3 5
RAINELLE 2	7311	GREENBRIER	GAULEY	37 55	80 51		EST		7A				BLUFORD L WHISMON	2 3
RAVENSWOOD DAM 22 LOWEB	7352	JACKSON	OHIO	38 57	81 45	584	EST	4P	8A	25	33		LOCKMASTER	2 3 5 7
RAVENSWOOD DAM 22 UPPER	7353	JACKSON	OBIO	38 57	81 45		EST						LOCKMASTER	7
RENICK	7444	GREENBRIER	GREENBRIER	38 00	80 21	1950	EST		7A		32		MARY V MC FERRIN	2 3
RICHWOOD	7502	NICHOLAS	GAULEY	38 14	80 32	2193	EST	8A	8A	17	17		VIANIS S STOCKWELL	2 3 5
RIGHT FORK OF STONECOAL CBEEK	7536	LEWIS	WEST FORK	38 54	80 26	1086	EST		3P		2		CREED R SUMMERS	2 3
RIPLEY	7552	JACKSON	OHIO	38 49	81 43	610	EST	4P	4P	2	2		R B PARSONS	2 3 5
ROANOKE	7598	LEWIS	WEST FORK	38 56	80 29	1050	EST		4P		24		MISS MARY A CONRAD	2 3
ROCKFORD	7658	HARRISON	WEST FOBK	39 08	80 20	1035	EST		6P		11		CREED FOGG	2 3
ROHRBOUGH	7718	LEWIS	WEST FORK	38 59	80 30	1036	EST		4P		2		MISS ELAINE CUTRIGHT	2 3
ROMNEY	7730	HAMPSBIRE	POTOMAC-S BRANCB	39 21	78 45	824	EST	5P	5P	47	46		MARION W HAINES	2 3 5
ROWLESBURG 1	7785	PRESTON	CHEAT	39 21	79 40	1375	EST	7A	7A	6	63		WALTER H BOLYARD	2 3 5
ROWLESBURG 2	7790	PRESTON	CHEAT	39 21	79 40	1375	EST		6A				LAKE LYNN OPERATOR	2 3
SALEM	7883	HARRISON	WEST FORK	39 17	80 34	1047	EST	6P	6P	2	10		MISS LOIS M JONES	2 3 5
SAND FORK	7901	LEWIS	WEST FOBK	38 54	80 25	1088	EST		5P		2		MRS J E WEIDLICH	2 3
SENECA STATE FOREST	8051	POCAHONTAS	GREENBRIER	38 18	79 56	2650	EST	5P	5P	7	7		FOREST CUSTODIAN	2 3
SHADY SPBINGS	8083	RALEIGH	NEW	37 42	81 03	2750	EST	5P	5P	7	7		C T KESSINGER	2 3 5
SHINNSTON	8145	HARRISON	WEST FORK	39 23	80 18	910	EST		6P		10		MRS HARDIN R HARMER	2 3
SMITHBURG	8274	DODDBIDGE	HUGHES	39 17	80 44	769	EST		MID		7		CHARLES F LOGSDON	2 3 4
SPENCER	8384	ROANE	LITTLE KANAWHA	38 48	81 21	789	EST	8A	8A	48	49		A M MC KOWN	2 3 5
SPRINGFIELD	8409	HAMPSBIRE	POTOMAC-S BRANCB	39 26	78 43	700	EST		7A		8		HARRY L GRACE	2 3 4
SPRUCE KNOB	8432	PENDLETON	POTOMAC-S BRANCB	38 42	79 32	4550	EST		7A		16		MOSES R BENNETT	2 3
STONY RIVER DAM	8536	GRANT	POTOMAC-S BRANCB	39 08	79 18	3300	EST	8A	8A		28		FRED BECKER	2 3 5
SUGARCAMP RUN	8580	LEWIS	WEST FORK	38 50	80 25	1180	EST		n		2		MRS BESSIE GREINER	2 3
SUMMERSVILLE	8608	NICHOLAS	GAULEY	38 17	80 51	1900	EST	8A	8A	12	12		ALLEN E DORSEY	2 3 4 5
SUTTON	8652	BRAXTON	ELK	38 40	80 42	900	EST	4P	4P	45	45		C B EAKLE	2 3 5
SUTTON 1 MI E	8657	BRAXTON	ELK	38 40	80 42	900	EST	MID					W E DUNCAN	2 3 4
SYCAMORE CREEK	8699	HARRISON	WEST FOBK	38 14	80 25	1000	EST		6P		3		MRS GAY DAVISSON	2 3
TERRA ALTA 1	8777	PRESTON	CHEAT	39 27	79 31	2559	EST	6P	6P	47	37		BOPEMONT SANATARIUM	2 3 5
TERRA ALTA 2	8782	PRESTON	CHEAT	39 27	79 32	2620	EST		MID		10		B F MC CONNELL	2 3 4
THOMAS	8807	TUCKER	CHEAT	39 09	79 30	3000	EST		7A		19		WILLIAM SLEEMAN	2 3
TRIBBLE	8924	MASON	KANAWHA	38 41	81 50	630	EST		MID				NORMA RUTH CASTO	2 3 4
TYGART DAM	8986	TAYLOB	TYGART	39 19	80 02	1200	EST		MID		10		FRED E FLOYD	2 3 4
UNION	9011	MONROE	GBEENBRIER	37 36	80 32	2200	EST	7A	7A	44	43		MRS THELMA F SPANGLER	2 3 4 5
UPPER DAVISSON RUN	9036	HARRISON	WEST FORK	39 16	80 26	1084	EST		5P		2		MRS A VANSCOY	2 3
UPPER SYCAMORE CREEK	9044	HARRISON	WEST FORK	39 14	80 27	1074	EST		7A		1		O A POST	2 3
VALLEY CHAPEL	9072	LEWIS	WEST FORK	39 06	80 24	1011	EST	4P	4P	24	24		ROSCOE B JACKSON	2 3 5

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION			YEARS OF RECORD			OBSERVER	REFER TO TABLES
							ZONE	TEMP.	PRECIP.	TEMP.	PRECIP.	EVAP.		
VALLEY HEAD	9086	RANDOLPH	TYGART	38 33	80 02	2425	EST		MID		10		KENT SWECKER	2 3 4
VANDALIA	9104	LEWIS	WEST FORK	38 56	80 24	1120	EST		6P		24		MISS MARY LEE HORNOR	2 3
VIENNA-BRISCOE	9168	WOOD	OHIO	39 21	81 32	634	EST	5P	5P	1	6		G J DICKEY	2 3 5
WARDENSVILLE R M FARM	9281	HARDY	CACAPON	39 06	78 34	1200	EST	9A	9A	30	29	8	UNIVERSITY EXP STA	2 3 5 6
WASHINGTON DAM 19	9309	WOOD	OHIO	39 16	81 42	600	EST		7A		31		LOCKMASTER	2 3
WAYNE	9321	WAYNE	TWELVEPOLE CREEK	38 13	82 26	598	EST		7A		23		MRS B F FERGUSON	2 3 7
WEBSTER SPRINGS	9333	WEBSTER	ELK	38 29	80 25	1560	EST	6P	6P	13	14		ROSCOE GREGORY	2 3 4 5
WELLSBURG 3 MI NE	9368	BROOKE	OHIO	40 19	80 35	668	EST	6P	6P	48	55		GEORGE P PFISTER	2 3 5
WEST MILFORD	9428	HARRISON	WEST FORK	39 12	80 24	979	EST		4P		22		SCOTLAND G HIGHLAND	2 3
WESTON	9436	LEWIS	WEST FORK	39 02	80 28	1026	EST	7A	7A	25	57		J ARTHUR HENRY	2 3 5 7
WHEELING-OHIO COUNTY AIRPORT	9487	OHIO	OHIO	40 11	80 38	1190	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
WHEELING WARWOOD DAM 12 LOWER	9492	OHIO	OHIO	40 06	80 42	659	EST	8A	8A	40	64		LOCKMASTER	2 3 5 7
WHEELING WARWOOD DAM 12 UPPER	9493	OHIO	OHIO	40 06	80 42		EST						LOCKMASTER	7
WHITE SULPHUR SPRINGS	9522	GREENBRIER	GREENBRIER	37 48	80 18	1914	EST	5P	5P	35	34		GREENBRIER HOTEL	2 3 5
WILLIAMSON	9605	MINGO	TUG FORK	37 40	82 17	673	EST	8A	8A	46	47		NORFOLK & WESTERN RWY	2 3 5
WINFIELD LOCKS	9683	PUTNAM	KANAWHA	38 32	81 52	571	EST	7A	7A	10	10		LOCKMASTER	2 3 5
YAWKEY	9805	LINCOLN	MUD	38 14	81 58		EST		MID				EMMETT W VALENTINE	2 3 4

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late for inclusion in this issue.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Data in Tables 3, 5 and 6 are for the 24-hours ending at time of observation. See the Station Index for observation time.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with windshield.
- 6 No recording gage, precipitation is measured at 6-hourly intervals.
- a, b, c, through i Number of days missing. a indicates one day missing, b indicates two days missing, etc.
- n This entry in time of observation column in Station Index means noon.
- r Station equipped with recording gage only. All amounts in Table 3 are from the non-recording gages, except for stations with this reference.
- x Daily precipitation totals in Table 3 are for the 24-hours ending at 1:30 A.M., E.S.T., of the following day.
- z Hourly amounts from recording gage at the same site may be found in Table 4.
- T Trace, an amount too small to measure.

Data in Table 4 were formerly published in the Hydrologic Bulletins for the North Atlantic District and the Ohio River District. Amounts in this table are from recording gages. Traces are not shown.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary. Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, Federal Building, Albany 1, N.Y.)

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U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

CLIMATOLOGICAL DATA

WEST VIRGINIA

THE LIBRARY OF THE
APR 13 1949
UNIVERSITY OF ILLINOIS

SEPTEMBER 1948
Volume LVI No. 9

WASHINGTON: 1948

ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

WEST VIRGINIA - SEPTEMBER 1948

Victor T. Horn, Section Director - Parkersburg

GENERAL SUMMARY

The month averaged one degree above normal. Most of the days between the 2nd and the 21st were warm; of the other days, which were somewhat below normal in temperature, only two, the 24th and 25th, were chilly enough to be noticed.

There were three periods during the month when moderately heavy showers occurred: 6-9th, 19th-22nd, and 29-30th. Rainfall was adequate in most places. No severe storms were reported.

The weather was fairly satisfactory for harvesting but vegetation growth was not nearly so exuberant as in August. Corn was practically all shocked and some had been husked by the end of the month. Pasture growth slowed in most places while grain and vegetables matured very rapidly. The picking of fall apples was completed by the 25th and winter apples were being harvested during the last week. Tobacco was practically all housed by the 15th. Despite the three periods of heavy rains, a tendency towards drought in some areas delayed fall preparation of land for seeding winter oats and barley. Late gardens gave barely fair yields. Reports indicate that there was less than the usual amount of home canning of fruits and vegetables.--C.L.W.

TEMPERATURE

The monthly mean temperature for the State, determined from the records of 76 stations, was 65.3°, or 1.0° below the normal. The average for the northeastern panhandle division was 63.9°; for the northern division, 65.3°; and for the southern division, 65.9°. The highest monthly station mean was 70.8°, at Huntington No. 1; the lowest was 57.5° at Canaan Valley. The highest temperature recorded was 96° at Logan on the 4th; the lowest 28° at Bayard and Canaan Valley on the 26th, making the monthly range for the State 68°.

PRECIPITATION

The monthly average of precipitation for the State, determined from the records of 77 stations, was 3.16 inches, or 0.18 inch above the normal. The greatest monthly amount was 8.23 inches at Pickens No. 2; the least was 1.39 inches at Athens.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

STATIONS	SEA LEVEL PRESSURE EXTREMES—INCHES				WIND				RELATIVE HUMIDITY AVERAGES				SUN-SHINE	DEGREE DAYS 65° BASE
	HIGHEST	DATE	LOWEST	DATE	AVERAGE SPEED M.P.H.	MAXIMUM SPEED M.P.H.	DIRECTION	DATE	1:30A EST	7:30A EST	1:30P EST	7:30P EST	PERCENT OF POSSIBLE	
ELKINS WB AIRPORT	30.49	17	29.70	23	4.5	22	W	21	96	95	59	83	56	129
PARKERSBURG WB CITY	30.41	26	29.75	21	5.5	18	NW	9					60	50

TABLE 1
COMPARATIVE DATA

YEAR	TEMPERATURE			PRECIPITATION		
	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 OR MORE
1891	66.8			1.66	0.0	
1892	64.4	92	32	2.57	0.0	6
1893	65.0	91	29	2.28	0.0	6
1894	67.8	98	31	2.50	0.0	6
1895	70.3	107	29	1.70	0.0	4
1896	65.2	95	22	4.59	0.0	7
1897	66.4	103	27	1.14	0.0	3
1898	67.6	97	33	2.42	0.0	6
1899	64.0	100	26	3.65	0.0	8
1900	71.1	100	35	1.92	0.0	6
1901	64.8	95	27	3.35	0.0	8
1902	64.8	98	25	2.98	0.0	9
1903	64.7	97	25	1.30	0.0	4
1904	67.0	95	25	1.76	0.0	6
1905	65.6	97	29	2.21	0.0	4
1906	69.9	97	38	3.25	0.0	9
1907	66.3	93	30	4.41	0.0	11
1908	65.9	99	24	.95	0.0	3
1909	63.7	95	28	2.74	0.0	6
1910	68.4	97	32	3.50	0.0	10
1911	68.8	100	32	4.67	0.0	11
1912	68.6	98	30	3.85	0.0	8
1913	64.2	100	25	2.88	0.0	8
1914	63.2	97	24	1.58	0.0	5
1915	67.6	100	31	3.84	0.0	9
1916	63.0	99	27	3.71	0.0	7
1917	62.4	98	28	2.79	0.0	7
1918	60.5	93	24	2.92	T	8
1919	66.0	98	31	2.11	T	5
1920	66.7	96	34	3.14	0.0	8

YEAR	TEMPERATURE			PRECIPITATION		
	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 OR MORE
1921	70.9	97	39	4.76	0.0	12
1922	67.2	100	25	2.14	0.0	4
1923	66.5	96	29	3.31	0.0	7
1924	60.7	100	26	5.96	0.0	12
1925	70.9	102	34	2.29	T	8
1926	68.6	98	31	5.35	0.0	13
1927	67.0	100	24	2.15	0.0	5
1928	61.3	100	24	2.71	0.0	7
1929	66.5	102	24	2.95	T	8
1930	69.3	106	29	1.46	0.0	7
1931	70.0	102	29	3.91	0.0	10
1932	66.5	106	25	1.58	0.0	6
1933	70.3	98	35	3.71	0.0	10
1934	69.0	94	33	4.19	0.0	9
1935	65.0	94	22	3.30	0.0	8
1936	69.4	99	25	1.82	0.0	6
1937	63.2	98	23	2.18	0.0	7
1938	65.8	95	28	3.59	0.0	10
1939	68.8	103	29	2.22	0.0	6
1940	62.2	98	21	2.88	0.0	5
1941	67.8	99	26	2.22	0.0	7
1942	65.1	98	15	3.97	0.0	11
1943	62.5	100	26	1.25	T	6
1944	65.0	96	26	4.19	0.0	11
1945	68.4	98	34	7.18	0.0	13
1946	65.5	100	23	2.27	0.0	7
1947	66.6	99	20	3.52	0.0	8
1948	65.3	96	28	3.16	0.0	8
Period	66.3	107	15	2.98	T	8

CLIMATOLOGICAL DATA

Station	Temperature						No. of Days		Precipitation							No. of Days		
	Average	Departure from Normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from Normal	Greatest Day	Date	Snow, Sleet, Hail Total	Snow, Sleet, Hail Max. Depth on Ground	Snow, Sleet, Hail Date	.01 or more	.25 or more	1.00 or more
NORTHEASTERN PANHANDLE DIV																		
BAYARD	58.3	-2.6	82	17	28	26		2	3.17	- .14	1.20	10				8	4	1
BRANDYWINE	62.0	-2.7									1.30	10						
INWOOD	67.6	1.1	94	9	41	2	4		3.46	.25	1.90	10				6	4	1
KEARNEYSVILLE	66.4	-1.1	91	13	37	26	2		3.25	- .08	1.16	9				7	3	1
MARTINSBURG MUNICIPAL AIRPORT	65.8	-1.1	91	9	38	26	1		3.33	.41	1.44	9				6	3	1
MC NEILL 2 NE	63.4	-2.4	91	12	31	27	3	1	3.41	1.13	.91	10				7	5	
MOOREFIELD	65.6		91	9+	39	27	3		3.05		.90	22				9	5	
PETERSBURG WB CITY	65.0		91	9+	37	26	3		3.35		.97	21				9	3	
PIEDMONT	65.8	0.1	89	13	38	26			3.91	1.50	1.62	21				10	4	1
ROMNEY	64.6	-2.2	90	0	36	26+	1		3.75	1.07	1.40	21				12	4	1
WARDENSVILLE R M FARM	63.0	-1.2	68	10	34	27			2.62	.03	.62	22				9	5	
DIVISION	70.8								3.33									
NORTHERN																		
BENS RUN	68.5	0.1	91	3+	42	26	4		2.01	- .58	.51	6				7	4	
BRANDONVILLE	62.0		87	5	30	26		2	2.87	- .97	1.06	22				7	4	1
BROWNSVILLE	65.8	-1.8	90	3	35	26	1		6.12	-2.37	2.38	19				9	6	3
BUCKHANNON	63.6	-0.9	86	3	34	26+			5.39	2.43	2.07	21				10	4	3
CAIRO 3 S	67.2	-0.9	92	4	35	26	3		4.67	1.87	2.01	21				9	6	1
CANAAN VALLEY	57.5		61	3	28	26		1	3.88		1.28	21				8	4	2
CLARKSBURG NO 1	64.1	-3.4	88	4	37	26			3.44	- .16	1.79	20				10	4	1
COALWOOD	67.4		90	3+	39	26	3		2.13		.59	10				6	2	
ELKINS WB AIRPORT	61.7	-0.2	84	3	36	26+			5.03	1.86	2.08	21				8	5	2
FAIRMONT	66.4	-1.0	90	3	40	26	2		2.49	- .46	1.40	19				6	3	1
GLENVILLE NO 1	66.1	-2.4	87	3	38	26			3.17	- .05	.87	22				10	6	
GRAFTON	63.6	-3.5	67	3	33	26			2.90	.29	.68	10				10	5	
GRANTSVILLE	67.6		90	18	36	26	1		3.27		1.00	6				8	5	1
KUMBRABOW STATE FOREST	58.3		79	3+	29	26		2	6.42		1.35	22				12	7	2
MANNINGTON 1 N	65.7	0.8	90	3	32	26	1	1	2.73	- .66	1.70	19				8	3	1
MIDDLEBOURNE 3 SE	65.2		89	4+	33	26					.61	20						
MORGANTOWN MUNICIPAL AIRPORT	65.6		86	3	39	26			1.90		.96	21				10	3	
MORGANTOWN NO 1	67.8	0.3	89	3+	39	26			2.55	- .32	.90	21				9	3	
MORGANTOWN LOCK 10	66.0		90	4	36	26	1		2.41	-1.11	.80	22				9	3	
NEW CUMBERLAND DAM	68.6	3.1	91	4+	42	26	4		2.69	- .22	.96	29				7	3	
NEW MARTINSVILLE	68.2	-0.3	92	3+	44	23	4		2.57	- .46	.88	6+				5	5	
PARKERSBURG WOOD CO AP	67.4		89	3	39	26			2.90		.63	6				8	6	
PARKERSBURG WB CITY	66.2	0.9	89	3+	43	26			5.11	2.35	1.27	21				7	6	3
PARSONS	63.6	0.1	85	3+	37	26			3.44	.29	1.38	10				10	4	1
ROWLESBURG NO 1	64.6		86	4+	37	27			2.99	- .49	.87	10				8	4	
SALEM	66.1	m																
TERRA ALTA NO 1	58.4	-3.5	82	13	30	26		1	4.46		2.07	19				7	6	1
VALLEY CHAPEL	67.6	-0.2	92	3	35	26	2		1.86	-1.85	.82	19				5	3	
VIENNA BRISCOE	69.2	m							5.84	2.52	2.02	19				10	6	2
WELLSBURG 3 NE	65.4	0.5	92	17	35	23	5		2.86		1.10	7				6	3	1
WESTON	65.8	-1.5	90	4+	38	26	1		2.46	- .53	1.22	19				4	3	1
WHEELING OHIO CO AIRPORT	65.2		88	4+	37	26			5.75	3.12	1.96	20				10	5	2
WHEELING WARWOOD DAM 12	66.4	-1.0	89	4+	43	23+			3.45		1.38	29				6	3	2
DIVISION	65.3								3.43	.51	1.00	22				6	6	1
SOUTHERN									3.54									
ALDERSON	65.4		87	3+	39	27			2.74		.65	9				7	4	
ATHENS	62.9		84	9	39	25+			1.39		.71	10				10	2	
BARTOW									4.33	1.31						10		
BECKLEY V A HOSPITAL	62.0	-2.1	86	3	34	27			3.08	.54	1.12	20				8	3	2
BLUEFIELD NO 1	65.2	-1.0	85	3	39	26			1.41	- .91	.71	10				6	2	
BLUESTONE DAM	68.2		92	4	43	26	4		3.46		1.10	8				9	4	1
CABWAYLINGO STATE FOREST					39	26			1.60		.65	10				7	2	
CHARLESTON NO 1	69.0	-1.9	90	4	43	26+	1		2.65	- .33	1.06	10				9	4	1
CRANBERRY GLADES	56.0		84	19	31	24		2	5.16		1.05	7				13	7	2
FLAT TOP	60.6	-1.7	82	3	38	25+			1.88	-1.34	.48	9				12	2	
GARY	86.6	m																
HAMLIN	66.2	m -1.9	89	4	41	26			2.60	- .39	1.60	10				8	3	1
HINTON NO 1	68.0		91	4+	36	26	2		3.05		1.69	21				7	3	1
HUNTINGTON NO 1	70.8	1.8	92	10	43	26	2		3.33	.64	.91	21				10	4	
LA SAGE GREENBOTTOM	69.8	m	93	3+	43	26	7		1.75	- .70	.50	20				9	3	
LEWISBURG	83.2	-1.1	86	9	36	26+			1.93		.83	21				7	2	
LOGAN	70.2	-3.8	96	4	45	25+	7		1.97	- .72	.70	29				11	2	
LONDON LOCKS	66.0	-1.0	90	4	43	26	1		1.92	-1.23	.79	10				5	3	
MADISON	66.9	1.2	92	4	45	26	5		4.16	1.51	2.75	10				9	3	1
OAK HILL	63.6		86	10	37	24+			2.20	-1.26	1.15	10				5	2	1
PINEVILLE	66.0		93	4	39	25+	1		3.33		1.70	10				9	2	1
POINT PLEASANT	70.7	4.8	91	3+	42	26	8		1.86		1.51	10				3	1	1
RAINELLE NO 1									2.66	.25	1.07	20				11	3	1
RAVENSWOOD DAM 22	88.2	-1.2	90	3+	36	26	2		3.68	.56						11		
RICHWOOD	60.6	m -4.1	63	5+	30	27		2	3.88	1.56	1.23	22				9	4	1
RIPLEY	68.0		92	3+	35	26	6		2.91		.64	22						
SHADY SPRINGS	61.0		62	3+	32	26		1	2.94		1.55	20				8	3	1
SPENCER	65.9	-0.6	88	14	38	27			2.59	- .29	1.19	10				10	2	2
SUMMERSVILLE	61.5		88	20	30	25+		2	2.79	- .67	.69	20				9	4	
SUTTON	67.8	-0.9	92	3+	41	26	6		3.83	.46	1.56	9				4	4	1
UNION	63.2	-2.9	86	10	38	26			2.67	.12	1.72	10				10	4	1
WEBSTER SPRINGS	64.8		85	3+	39	26			3.42		.42	10				14	6	
WHITE SULPHUR SPRINGS	65.6	0.7	66	9	37	26	-		2.70	- .14	1.02	10				9	4	1
WILLIAMSON	69.2	-0.5	95	4	41	11+	11		1.69	- .10	.62	7				11	5	
WINFIELD LOCKS	66.7		91	4	42	26+	1		1.54	-1.70	.60	9				12	2	
											.44	20				7	2	

See reference notes following Station Index.

CLIMATOLOGICAL DATA

Table 2—Continued

Station	Temperature								Precipitation								
							No. of Days						Snow, Sleet, Hail			No. of Days		
	Average	Departure from Normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.01 or more	.25 or more	1.00 or more
DIVISION	65.9								2.74									
STATE	66.3	. 0.0							3.16	.19								

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

WEST VIRGINIA

SEPTEMBER 1848

Station	Day of Month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERDEEN				.05		T	.47	.27	.33	1.02									1.00	.13	1.46	.13							.13	.03		5.02
ALDERSON					.10	T	.24		.65	.60											.50	.23						T	.42			2.74
ALPENA	.04	T					.20	1.01	.17	1.78	.13									.68	.31	1.35							.28			5.88
ARBOVALE			T			T	.37	.05	.04	*	.58									.76		.10	.62					T		.77		3.27
ARNOLD							T	.13	1.25										1.80	.30	.80	.30						.30	.03		5.01
ATHENS	T				.01	.08	.04		.03	.71										.03	.28	.08	T					.04	.08		1.39
BARTOW							.73			*	*	1.20									.70	.47	.43	.05					*	.75		4.33
BAYARD						.08			.12	1.20									.58	.13	.68								.28	.08		3.17
BECKLEY V A HOSPITAL							.08		.06	1.07										1.12	.55	.15	.02					.03	T			3.08
BELINGTON							.17	.22		1.80	.15									1.28	.15	1.43							.04	.12		5.37
BELLEVILLE DAM 20				.04		T	.08	.55		.02										2.80	.85	.88							.43	.05		5.76
BENS RUN						.51	.20												.25	.12	.38								.50	.05		2.01
BERLIN				.15			.04	.13		1.22	.05									1.18	.77	1.32	T						.14	.07		5.07
BIG SKIN CREEK				.12			.18	.32	.43	.98									2.20	.14	1.80	.01							.18			6.36
BLUEFIELD NO. 1	T						.04	T	.19	.71				.10	T						.11	.28		T					T			1.41
BLUEFIELD NO. 2		.04				.02	.03	.12		.87	.26				.10						.13	.03		.01		.01		.06	.05	.02		1.75
BLUESTONE DAM	.41				T	.08	T	1.10		.59	.15										.78	.11	T					T	.10	.13		3.48
BRANCHLAND										.38											1.22	.47	.14						.10	.16		2.47
BRANDONVILLE							.08	.02		.60										.69	.08	.34	1.06						T	T		2.87
BRANDYWINE				T	.04					1.30											-	1.15	.40						.84			-
BROWNSVILLE				.02		.02		.32	.28	1.00									2.38	.17	1.43	.50										6.12
BRUSHY FORK				T		.04	.15	.06		.78	T								1.72	T	.48	.02						.02	.10			3.37
BRUSHY RUN	.02						.36	.02		.68	.44									.38	.05	1.48							.04	.52		3.89
BUCKHANNON		T		.02		T	.19	.02	.08	1.21	T								1.29	.34	2.07	.02							.15			5.38
CABWAYLINGO STATE FRST							.39			.65										.05	.20	.07						.09	.15			1.60
CAIRO 3 S	.48					.40	.62			.11										.08	.66	2.01	.02						.27			4.67
CAMDEN ON GAULEY								.52		.94	.13										.19	.26	.58	.06	.02				.09			2.78
CANAAN VALLEY							.22		.07	1.20										.62	.04	1.28	.06						.38			3.88
CHARLESTON KANAWHA APT						.03	.13		.29	.83											.38	.81	.13					.04	.04			2.68
CHARLESTON NO. 1						.02	T	.15		1.06											.32	.55	.46	.03				.01	.05			2.65
CLARKSBURG BENEDUM FLD				T		.35	.09		.09	.57								-	-	-	-	-	-	-	-	-	-	-	-	-		-
CLARKSBURG NO. 1 z	.02			T			.07	.29		.49	.02									1.79	.34	.18							.05	.19		3.44
CLARKSBURG NO. 2				T		.04	.01	.20	.04	.49									1.76		.53	T							.18			3.26
CLAY NO. 2 r						.17			.82	.89									.08	.64	.47								.07			3.14
COALWOOD					T		.12	.16	.58	.59											.23	.19	.05					.23				2.13
COBURN CREEK																			2.50	.10	.50								.10	.50		-
CRANBERRY GLADES					.05	.04	1.05	.08		.78	.40									.60	.05	.51	.10					.03	.46	1.01		5.16
CRAWFORD						.03	.10	.23	.10	1.50									2.13	.20	1.11								.25			5.65
CRESTON				T		.25	.22	.87		.21	.02									.62	1.40	.70							.17	.03		4.58
DAILEY	.15						.18	.08		.88	.18									.75	.18	1.25							.07	.06		3.88
DAVIS r						.01	.04	.03	.06	1.05									.75		.70	.09							.36			3.08
DAVISSON RUN				.08		.04	.01		.32	.42									1.74	.01	.34	.01						.60		.01		3.58
DUCK CREEK				.04			.05	.25		1.20	T								1.70	.01	.75		.08					.13	.15	.05		4.41
ELK										1.10									1.48		1.00				.08							3.66
ELKINS WB AIRPORT z				T		.27	.10	T	.52	1.06									.69	.10	2.08	T						T	.21			5.03
FAIRMONT	T					.24	.09		T	.32									1.40		.31							.13	T			2.49
FINK RUN				.03		T	T	.31	.08	1.16									1.20		2.60	.03						.12	.02			5.55
FLAT TOP z			.03		.03	.03	.20		.48	.46										.20	.24	.02	.05					.05	.09			1.88
FRANKLIN z					.02	.49	.03		.79	.75									.23		1.35								.70			4.36
FREEMANSBURG r						.05	.32		.24	.33									2.60	.21	1.85								.66	.01		6.27
GARY z	T							.20	T	1.60	.29	T	T								.12	.10	.01					.26	.02			2.60
GLENVILLE NO. 1	.02						.34	.27		.38	.03									.36	.76	.87							.06	.07		3.17
GLENVILLE NO. 2	.02						.34	.27		.39	.03									.36	.76	.87							.06	.07		3.17
GRAFTON				.03		.10	.36		.27	.68								.02	.65	.16	.60								.03			2.80
GRANTSVILLE						1.00		.70		.29										.40	.20	.54							.08	.06		3.27
HACKERS CREEK							.17		.25	.65									1.13	T	.85						.65					3.80
HALL z					.04		.28	.40		1.44	T									1.76	.28	1.62							.06	.03		5.83
HAMLIN										.42										.15	1.69	.47	.16						.10	.06		3.05
HARPERS FERRY	T						.17			.73	.50								.32			.81						T	.28			2.81
HARRISON							.12	.70		1.05	.06								.21		.21	1.21							.11	.21		3.88
HASTINGS						.37	.04	.28											1.51	.03	.38	.10							.37	.10		3.18
HINTON NO. 1	.38				.02	.05		.81		.71	.17										.91	.07						T	.12	.11		3.33
HOGSETT GALLIPOLIS DAM						.06	.14			.07										.45	.21	.36	.07						.03	.16		1.55
HORNER				.13			.24	.11		1.35									1.71	.20	1.52	T						.18			5.44
HOULT LOCK 15	T						.20	.08		.29									T	1.47		.54							.02	.17		2.78
HUNDRED r						.10	.25												1.31		.40								.31	.04		2.41
HUNTINGTON NO. 1						.23	.46	T		.06										.50	.34	.10						.01	.01	.04		1.75
HUNTINGTON NO. 2 // r						.23	.25	.03	.04											1.04	.23	.09								.13		2.04
IAGER								.32		1.26	.08										.43	.20	.19	.02				.11	.05			2.67
INWOOD							.13			1.80											.80	.30							.03	.32		3.48
IRELAND			2.06																	1.45	.56	.93							.12	.08		5.21
ISAACS CREEK				T				.28		.38									1.73	.15	.64								.16	.10		3.48
JANE LEW					T		.22	.22	.21	.67									1.15	.08	1.08	.08							.31	T		4.00
JESSE RUN				T		.04		.16	.24	.75									1.16		1.81								.14	T		4.40
KAYFORD										1.21											1.22	1.02		.10								3.55
KEARNEYSVILLE							.10		1.18	.72	T							T			.80	.05							.18	.14		3.25
KERMIT		.08								.81											.09		.16						.32			1.54
KNOBLY MOUNTAIN							.58	.19		.75	T										.27	1.13								.50		3.42
KUMBRABOW STATE FOREST				T		.21	.48		.78	.81	.01								1.20	.43	.77	1.35	.05		T			.01	.23			6.42
LAKE FLOYD				T		.21		.51	.09	.31									2.44	T	.50	T							.60	T		4.66
LAKE LYNN z							.15	.04		.36									.04	.58	.04	1.10							.02	.10		2.44
LAKIN r						.21	.25												.50	1.12	1.35								.25			3.68
LA SAGE GREENBOTTOM							.45			.11										.24	.83	.06							.13	.11		1.93
LEWISBURG					.01	T	.18	.01	.05	.46				.08					T	.08	.15	.17						.07	.70			1.97
LINDSIDE	.24						.07	.27		.28											.51	.13	.11							.51		2.12
LITTLE SKIN CREEK				.10		.07	.30	.32	.35	1.17									2.00	.26	1.68	T							.20	T		6.45
LIVERPOOL r						.17	.63			.06									1.13	.74	1.13								.15			4.01
LOCKNEY r					.08	.38		.07	.34										.22	.15	1.82								.20	.06		3.33
LOGAN z	T			T			T	.51		.78	T										.40	T	.14					T	.08			1.92
LONDON LOCKS	.02					.02				2.75	.11									.18	.52	.46	.03						.07			4.16
MACFARLAN r	.10				.40	.25	.03			.17									.51	.78	1.33								.25			3.83
MADISON										1.15											.82	.09	.05					T		.09		2.20
MAN								.52	2.00													.50					.10	T				3.12
MANNINGTON 1 N						.14	.01		.01	.18									1.70	T	.41								.27	.01		2.73
MANNINGTON NO. 2							.15	.02		.20									.75	.95	.23	.23							.08	.20		2.81
MARLINGTON r			.22			.70	.45		.18	.87									.25		.17	.04						.01	.54			3.23
MARTINSBURG MUNIC AP z						T	.10		1.44	.80										T	.87								.14	.08		3.33
MATHIAS r						.38	.22		.15	1.11									.04		1.46								.54	.12		4.03
MCMECHEN DAM 13					.07		.42	.61											.15	1.45	.06	1.28							.24	.15		4.43
MC NEILL 2 NE				T			.85		.08	.81									T		.90	.05						T	.31	.33		3.41
MIDDLEBOURNE 3 SE					-	-		.07												.61		.26							.10			-
MIDVALE					.05		.15	.12		1.82	.11									1.54	.30	1.30	.04						.12	.07		5.82
MOOREFIELD z							.50			.55	.35								.05	.05	.05	.80							.05	.55		3.05
MORGANTOWN MUNIC AP						.01	.08	.08	.04	.26								.01	.45	.01	.86	T							.02	T		1.90
MORGANTOWN NO. 1						T	.22	T	.20	.28								.03	.64	.20	.80	.02						T	.18			2.55
MORGANTOWN LOCK 1							.08	.21		.29	T								.07	.65	.10	.80							.02	.18		2.41
MOUNT CLARE						.17	.18	.04	.83										1.27		.72								.13			3.14
NEW CUMBERLAND DAM 9				.04		.20	T	.10	.04										.75	T	.60								.88			2.68
NEW MARTINSVILLE						.88	.28												.57	T	.41				T				.43	T		2.57
OAK HILL z				.02		.05		.03		1.70	.19										.17	.88	.03						.16			3.33
OMPS	.05						.26	.04		1.50	.38											1.20								.37		3.80
PARKERSBURG WOOD CO AP				.08		.83	.55			T									.29	.33	.44								.44	.14		2.80
PARKERSBURG WB CITY z						1.11	.80												1.02	.35	1.27								.28	.20		5.11
PARSONS				T		.02	.28		.21	1.38									.60	.01	.75	.04	T						.14	.01		3.44
PETERSBURG WB CITY					T	.14	.18	T	.18	.92								T	.23		.87	.03						T	.48	.21		3.35
PHILIPPI	T				T		.21	.18		.82	.07								T	1.46	.41	.46							.03	.06		3.81

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

Station	Day of Month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PICKENS NO 2	T				.19		.23	.82		2.30	.10									1.32	.66	2.53	.15						.11			9.23
PIEDMONT							.21	.34	.06	.93	.03								.04		1.62	.06						.10	.51		3.91
PINEVILLE								.24		1.61	.11										T	T	T								1.86
POINT PLEASANT				.02		.11	.34	.12	.01	.02										1.07	.76	.02						.07	.19		2.66
POLK CREEK				.24		.09		.17	.26	.66									2.66	.12	1.49	.01						.71	T		6.29
PRINCETON	.05							.27		.60	.32										.25	.09	.04					.04	.02	.02		1.71
RAINELLE NO 1					.08	.09	.03		1.03	.99			.01							•	•							•	•	1.45		3.69
RAVENSWOOD DAM 22						.07	.02	.21		.06										.79	.96	1.23							.44	.08		2.86
RENICE	.18						.10	.60		.81	.36	T								.31		.60	T					.06	T	.79		3.80
RICHWOOD				.12				.27		.64	.24									.17	.13	.64							-	-		-
RIGHT FORK OF STONECOAL				.07		T	.36	.07	T	1.43									1.47	.21	1.42	.12	T					.19				6.34
RIPLEY						.02	.11			.08										1.56	.77	.01						.36	.02			2.91
ROANOKE						T	.04	.11	T	1.66									2.12	.26	.91	.16						.41				6.56
ROCKFORD				.21		.04	.64	.09		.80									1.22	.10	1.14							.13				4.27
ROHRBOUGH				T		T	T	.41	.12	1.05									2.43	.16	1.46	.32	T					.47	T			6.42
ROMNEY							.84	.27		.67	.01				.01				.02		1.40	.06			.01	.01		.22	.23			3.76
ROWLESBURG NO 1	T						.19	.27		.87	.10								T	.69	.10	.63						T	.14			2.99
ROWLESBURG NO 2							.19	.27		.87	.10									.69	.10	.63							.14			2.99
SALEM						.28	T	.78	.11	.27									2.07		.53							.46				4.46
SAND FORK						.04	.15	.11	.19	1.52	.01								1.96	.21	1.13	.06	T					.24				5.63
SHADY SPRINGS						.04		.10		1.19	.15								•		1.12	.13	.10					.04	.04	.03		2.54
SHINNSTON						.02		.08	.05	.35								T	2.13		.46	T						.35				3.44
SMITHBURG	r					.82	.15	.02		.22									1.16	.06	.66							.39				3.49
SPENCER					.28	.08	.23		.48											.69	.64	.16	.03					.02				2.59
SPRINGFIELD	z	.12				.36	.39	.08	.41	.94											1.41							.32	.20			4.21
SPRUCE KNOB							.78	.24		1.38	.21									.27	1.34	2.06	T					T	1.07			7.61
STONY RIVER DAM		.08					.18	.47		1.13	.28								.25	.50	.70							.06				3.83
SUGARCAMP RUN						T	T	.67	T	1.82									2.00	T	.73	.90						.14	T			6.16
SUMMERSVILLE	z				T		T		1.58											.60	.46	T						.29				2.79
SUTTON						.18	.07	.08	.08	1.72									.25	.16	.24	.76						.30				2.83
SUTTON 1 E	r					.07	.18		.18	1.48									•	•	1.21							.34				3.42
SYCAMORE CREEK						.12				.42									1.74	.66									.90			3.73
TERRA ALTA NO 1							.04		.48										.82	.34								.16				1.86
TERRA ALTA NO 2	r					.14	.12		.37	.48				.02		-	-	-	-	-	.29								.17	.03			-
THOMAS		.01					.08			1.05	.21									.97	.09	.72								.23			3.06
TRIBBLE	r					-	-	-		.07									-	-	-								.04				-
TYGART DAM	r					.13	.28		.53	.46	.02								.76		.29									.02			2.49
UNION	z	.38		.02	.04	.05	.06	.28		.42	.14										.39	.17	.26					.06	.09	.33			2.67
UPPER DAVISSON RUN				.02		.10		.30	.02	.38									1.64	T	.50							.46				2.34
UPPER SYCAMORE CREEK				.04			.06	.09		.40	.03		-	-	-	-			.90	1.30	.02	T						.21	.30			3.35
VALLEY CHAPEL						.06	.08	.28	.25	.64									2.02	.23	1.66	.07						.75	T			5.84
VALLEY HEAD	z	T	T				.25		.79	.34										.90	.06	1.04	.04							.14			3.56
VANDALIA						.05	.19	.16	.88	1.38									1.93	.19	1.51							.23	T			6.29
VIENNA SR16COE				.08			1.10													.97	.51							.14	.06			2.86
WARDENSVILLE R M FARM		.05					.44	.03		.63	.27										.11	.62						.04	.53			2.62
WASHINGTON DAM 19				T		.03	.05	.39												1.80	1.30	.54						.34	.03			4.48
WAYNE						.17	.27		.53											.66	.22	.19						.15				2.39
WEBSTER SPRINGS	z		c			T	.03	.52	.07	1.02									.92	.10	.49	.09						.16				3.42
WELLSBURG 3 NE						.13	T												1.22		.33							.76				2.46
WEST MILFORD						.10		.22		.60									1.40	.05	.87	.09						.55				3.67
WESTON				.06			.04	.21		.96	.09									1.96	.62	1.24						.06	.58			6.75
WHEELING OHIO CO AIRPORT						.22	.20												1.19		.41	T						1.36	.05			3.45
WHEELING WARWOOD DAM 12							.33	.44											.66	.72	T	1.00						.29				3.43
WHITE SULPHUR SPRINGS			.42		T	.02	.62			.52	.01								.22	.04		.44						.05	.34	.02			2.70
WILLIAMSON		.03		.24		.04	.36		.60	.02											.19	.10	.19					.06	.03	.10			1.99
WINFIELD LOCKS							T	.20		.19										.44	.26	.22	T						.02	.14			1.54
YAWKEY	r							.04	.35	.37										1.24	.72							.03					2.76

See reference notes following Station Index.

TABLE 4
HOURLY PRECIPITATION

WEST VIRGINIA

SEPTEMBER 1948

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
MACFARLAN																									
SPRINGFIELD							.01	.10	.01					.02					.01	.02	.02	.03			.10
																									.12
—3d—																									
HARLINTON																									
OAK HILL										.22															.22
																			.01	.01					.02
—4th—																									
HALL																									
PARKERSBURG WOOD CO AIRPORT 6			*	*	*	*	*	.03	.07	.01		.01													.12
								.08																	
—5th—																									
FRANKLIN																									
MACFARLAN						.01	.11	.13	.04	.10	.01											.01	.01		.02
UNION																	.01		.01	.01					.40
																									.03
—6th—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.03																	
CLARKSBURG NO 2												.03	.02												.05
CLAY NO 2	.01	.01	.01	.01	.01			.02	.09				.01												.17
DAVIS																						.01			.01
ELKINS WB AIRPORT																				.01	.12	.04	.10		.27
FLAT TOP //				.02	.02	.01																			.05
FRANKLIN																	.01	.01	.05	.12	.01	.01	.04	.24	.49
FREEMANSBURG										.04	.01														.05
HALL											.02	.06													.08
HUNDRED											.04	.06													.10
HUNTINGTON NO 2 //			.04						.01					.04			.01	.06	.07					.23
LAKE LYNN																						.09	.01		.10
LAKIN															.08				.03	.09	.01				.21
LIVERPOOL						.02	.10	.05																	.17
LOCKNEY									.04	.02	.01	.01													.08
MACFARLAN											.05						.10	.10							.25
MARLINTON												.02	.01						.01	.11	.23	.30	.01	.01	.70
MARTINSBURG MUNICIPAL AIRPORT																								.01	.01
MATHIAS																				.02	.01	.22	.11	.03	.39
MOOREFIELD																		.01	.01	.02	.03	.20		.01	.28
PARKERSBURG WOOD CO AIRPORT 6			*	*	*	*	*	.04	*	*	*	*	*	.59											1.11
PARKERSBURG WB CITY							.05	.70	.36						*	*	*	*	*	.01	*	*	*	*	.82
PETERSBURG WB CITY 6									.21	.49	.10	.02													.35
SMITHBURG																							.18	.17	.05
SPRINGFIELD								.03	.02																.07
SUMMERSVILLE //									.05	.02															.14
SUTTON 1E																				.03	.05	.05	.01		.13
TERRA ALTA NO 2																						.03			.05
TYGART DAM										.01		.07	.03												.25
UNION															.01		.01	.01	.01						.01
VALLEY HEAD																					.01	.18	.02		.21
WHEELING OHIO CO AIRPORT 8									*	*	*	*	*	.22											
—7th—																									
CHARLESTON KANAWHA AIRPORT 6									*	*	*	*	*	.10	*	*	*	*	*	.03					
CLARKSBURG BENEDUM FIELD 6	*	.35							*	*	*	*	*	.02	*	*	*	*	*	.03	*	*	*	*	
CLARKSBURG NO 1	.01									.01									.06	.06				.01	.12
DAVIS															.10	.01									.04
ELKINS WB AIRPORT																									.10
FLAT TOP //	.01	.01	.01								.17	.01													.18
FRANKLIN																									.03
FREEMANSBURG															.10				.20			.01		.01	.32
GARY //															.01					.01			.15		.17
HALL												.02	.2.	.08	.01										.35
HUNDRED										.01	.01	.03	.15				.03	.02							.25
HUNTINGTON NO 2 //																.21	.04								.25
LAKE LYNN												.01													.01
LAKIN			.01		.01		.09					.05	.08		.01										.25
LIVERPOOL											.03						.42	.01			.13	.03		.01	.63
LOCKNEY																			.38	.01					.39
LOGAN									.05						.42				.02						.49
MACFARLAN				.01							.01		.02	.10	.21	.10					.03				.03
MARLINTON	.03	.03	.01	.01																					.45
MARTINSBURG MUNICIPAL AIRPORT	.20	.01	.01																						.08
MATHIAS	.21																								.22
MOOREFIELD	*	.01							*	*	*	*	*	.11	*	*	*	*	*	.05					.21
MORGANTOWN MUNICIPAL AIRPORT 8								.02	.10			.09								.44					
PARKERSBURG WOOD CO AIRPORT 8																.62				.07					.90
PARKERSBURG WB CITY	*	*	*	*	*	*	*	.30							*	*	*	*	*	.01					
PETERSBURG WB CITY 6																		.14	.01						.15
SMITHBURG	.03	.07	.02														.11	.11	.04	.01					.39
SPRINGFIELD																					.02				.02
SUMMERSVILLE //													.09						.01	.01	.04	.01			.16
SUTTON 1 E													.11	.01											.12
TERRA ALTA NO 2									.01		.01	.23		.03											.28
TYGART DAM												.07		.15											.22
UNION							.01		.01	.01				.15									.10	.29	.57
VALLEY HEAD													.02										.36	.09	.47
WEBSTER SPRINGS															*	*	*	*	*	.20					
WHEELING OHIO CO AIRPORT 6																									
—8th—																									
CLARKSBURG BENEDUM FIELD 6	*	.04																							
CLARKSBURG NO 1				.10																					
DAVIS				.01		.01								.01											.10
GARY //	.02																								.03
HUNTINGTON NO 2 //																									.02
MORGANTOWN MUNICIPAL AIRPORT 8	*	.02	*	*	*	*	*	.04																.03	.03
SMITHBURG		.02																							
SPRINGFIELD															.06										.02
UNION		.01		.02	.03	.01	.01																		.06
																									.08

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

WEST VIRGINIA

SEPTEMBER 1946

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
VALLEY HEAD	.01																								.01
WEBSTER SPRINGS	.01																								.01
YAWKEY												.02	.02												.04
—9th—																									
CHARLESTON KANAWHA AIRPORT 6									*	*	*	*	*	.28	*	*	*	*	*	.01					
CLARKSBURG BENEDUM FIELD 6									*	*	*	*	*	.09							-	-	-	-	
CLARKSBURG NO 1													.03												.03
CLAY NO 2														.01		.11	.01						.27	.39	.82
DAVIS																				.01				.05	.08
ELKINS WB AIRPORT															.05	.27			.02				.03	.15	.52
FLAT TOP //																.33	.01	.12	.04	.02	.03	.01		.01	.57
FRANKLIN																					.10	.61	.08	.02	.79
FREEMANSBURG													.23											.01	.24
GARY //																1.01	.13	.03	.03	.03	.08	.01			1.30
HALL														.26	.01	.02							.03	.04	.36
HUNTINGTON NO 2 //	.03		.01																						.04
LAKE LYNN												.17													.17
LOCKNEY													.04			.01	.01							.01	.07
LOGAN														.02					.09	.43			.02		.56
MARLINTON																.03	.01				.03	.06	.04	.01	.18
MARTINSBURG MUNICIPAL AIRPORT																1.33			.01	.01	.01				1.36
MATHIAS																							.12	.03	.15
MOOREFIELD																						.03	.02	.02	.07
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.04	*	*	*	*	*	*	*	*	*	*	*
OAK HILL								*	*	*	*	*	*	*	*	*	*	*	*	.01	*	*	*	*	
PETERSBURG WB CITY 6																			.41						.41
SPRINGFIELD																	.01	.14	.01	.01				.01	.18
SUTTON 1 E												.10	.22	.01										.04	.37
TERRA ALTA NO 2													.29				.20								.53
TYGART DAM		.01	.01		.01				.01															.01	.01
UNION															.20	.01					.03	.18	.01		.43
VALLEY HEAD																					.02	.07	.01	.01	.11
WEBSTER SPRINGS																			.03				.08	.24	.35
YAWKEY																									
—10th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.45	*	*	*	*	*	.38	*	*	*	*	*	.02							-	-	-	-	
CLARKSBURG BENEDEUM FIELD 8	-	-	*	*	*	*	*	.55	*	*	*	*	*	.02											.43
CLARKSBURG NO 1	.02	.10	.15	.05	.07	.03	.01																		.81
CLAY NO 2	.08	.26	.09	.22	.09	.05	.06	.01	.01	.01	.01														1.05
DAVIS	.15	.10	.12	.18	.12	.08	.10	.12	.07	.01															1.06
ELKINS WB AIRPORT	.13	.11	.13	.18	.15	.12	.09	.08	.07	.01	.01														.46
FLAT TOP //		.02	.03	.01		.05	.17	.08	.05	.03	.03	.01													.75
FRANKLIN	.02	.02	.02	.04	.07	.09	.16	.11	.15	.05	.01	.01													.33
FREEMANSBURG	.11	.13	.05	.02			.01	.01																	.56
GARY //		.03	.01		.01	.01	.11	.06	.22	.04	.02	.01				.01					.03				1.00
HALL	.27	.19	.18	.08			.21	.04	.03																.20
LAKE LYNN		*	*	.15	.02	.02	.01																		.00
LIVERPOOL	.03	.01	.02																						.34
LOCKNEY	.03	.14	.06	.06	.05																				.20
LOGAN	.04	.01		.01	.07	.02	.04	.01																	.17
MACFARLAN	.03	.08	.07	.01																					.67
MARLINTON	.01	.01	.02	.01	.04	.02	.03	.11	.10	.23	.07	.02													.56
MARTINSBURG MUNICIPAL AIRPORT				.02	.03	.09	.10	.07	.04	.07	.09	.01	.01	.03											1.11
MATHIAS	.03	.01	.03	.02	.07	.09	.15	.19	.29	.12	.07	.01	.02	.01											.81
MOOREFIELD	.01			.06	.20	.09	.08	.09	.12	.07	.02	.05	.01		.01										
MORGANTOWN MUNICIPAL AIRPORT 8			*	*	*	*	*	.26																	1.82
OAK HILL	*	*	*	*	*	*	*	1.72	.10																
PETERSBURG WB CITY 6	*	.67	*	*	*	*	*	.42																	.23
SMITHBURG		.07	.07	.07	.01																				.94
SPRINGFIELD	.02	.07	.07	.14	.19	.11	.06	.11	.11	.04	.01	.01													.64
SUMMERSVILLE //														.20	.05	.03	.14	.06		.05	.07	.02	.01	.01	1.40
SUTTON 1 E	.43	.16	.19	.18	.11	.12	.05	.11	.11																.40
TERRA ALTA NO 2	.13	.22	.06	.03			.01	.01																	.07
TRIBBLE	.05	.02																							.44
TYGART DAM	.05	.20	.11			.06	.01	.01	.01		.01														.31
UNION			.01				.01	.16	.11	.08	.01														.51
VALLEY HEAD	.01	.01	*	*	.13	.10	.02	.17	.03	.07	.01														.91
WEBSTER SPRINGS	.01	.02	.12	.15	.11	.09	.10	.12	.07	.08	.01				.01		.02								.37
YAWKEY	.09	.10	.08	.03	.04	.03	.02																		
—11th—																									
SUMMERSVILLE //	.01	.04	.24	.05	.04	.03	.07	.09	.08	.01															.80
TYGART DAM										.01	.01														.02
—14th—																									
TERRA ALTA NO 2							.01	.01																	.02
—18th—																									
CLARKSBURG BENEDEUM FIELD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
MORGANTOWN MUNICIPAL AIRPORT 8									*	*	*	*	*	.01											
—19th—																									
CLARKSBURG NO 1									.85	.55	.41	.03		.07											1.71
CLAY NO 2													.04										.01	.03	.08
DAVIS							.01	.03	.17	.20	.28	.03	.01	.01	.01										.74
ELKINS WB AIRPORT									.03	.18	.17	.28	.03	.01	.01										.87
FRANKLIN											.02	.18	.03												.23
FREEMANSBURG								.02	.38	.50	1.60	.10													2.80
HALL									.07	.10	1.07	.08	.01	.19	.03	.01	.01								1.50
HUNDRED	.01	.01	.01	.01	.01	.49	.03	.57	.16	.01															1.30
LAKE LYNN								.10	.08	.18	.12	.06	.08	.03	.01										.86
LAKIN																					.01	.05	.29	.15	.50
LIVERPOOL																				.01		.34	.63	.15	1.13
LOCKNEY																						.03	.10	.09	.22
MACFARLAN								.01	.06								.02	.02	.01	.05	.09	.15	.10		.53
MARLINTON													.04	.16	.05										.25
MATHIAS					.01		.01	.02																	.03
MOOREFIELD								.01	.03	.01	.03	.02	.01												.11

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.08	*	*	*	*	*	*	.37										
PARKERSBURG WOOD CO AIRPORT 6									*	*	*	*	*	.04	*	*	*	*	*	.07					
PARKERSBURG WB CITY																		.10	.04	.10	.40	.25	.09	.04	1.02
PETERSBURG WB CITY 6									*	*	*	*	*	.23											
SMITHBURG								.01	.15	.08	.85	.06	.01												1.16
SUTTON 1 E								*	*	*	*	*	*	*	*	*	*	*	*	*					*
TYGART DAM							.06	.18	.30	.14	.03	.01	.03	.01											.76
VALLEY HEAD											.12	.46	.12	.03	.13	.01	.01						.01	.01	.90
WEBSTER SPRINGS													.45	.36		.01		.02						.02	.86
WHEELING OHIO CO AIRPORT 6			*	*	*	*	*	1.14	*	*	*	*	*	.05											
—20th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.22	*	*	*	*	*	.05	*	*	*	*	*	.08	*	*	*	*	*	.03					
CLAY NO 2	.01		.01	.02											.21	.01		.38							.64
ELKINS WB AIRPORT						.05							.05												.10
FLAT TOP //														.08	.10		.02		.01	.27	.01				.49
FREEMANSBURG											.08	.13													.21
GARY //																				.09	.01				.10
HALL										.01	.01		.02	.01	.02										.07
HUNTINGTON NO 2 //							.10	.70	.06	.04		.01		.01				.12							1.04
LAKIN	.08	.04	.54	.13	.06	.01	.01				.01	.02				.11	.07	.04							1.12
LIVERPOOL	.08	.07	.07	.02	.01						.10			.01	.01	.36			.01						.74
LOCKNEY	.01										.07			.05	.01									.01	.15
LOGAN																		.18	.06				.12		.36
MACFARLAN				.02							.03			.70	.02	.01	.01								.79
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.01											
OAK HILL													.01		.02	.01			.07	.03					.14
PARKERSBURG WOOD CO AIRPORT 6	*	.18											*	.28	*	*	*	*	*	.05					
PARKERSBURG WB CITY		.02		.01									.07	.18	.06	.01									.35
SMITHBURG										.01		.03		.01	.01										.06
SUMMERSVILLE //																		.19	.01						.20
SUTTON 1 E								*	*	*	*	*	*	*	*	*	*	*	*	*					*
TERRA ALTA NO 2	-	-	-	1	-	-	-	-	-	-	-	-						.01			.01				
TRIBBLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.03							-
UNION									.07	.01	.01			.14	.01				.01	.03	.06				.34
WEBSTER SPRINGS												.02	.02				.01								.05
YAWKEY	.02						.01	.09	.06	.02	.01							.99	.03	.01					1.24
—21st—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.51							*	*	*	*	*	.30					
CLARKSBURG NO 1							.20	.10	.02	.06				.04		.01	.01								.44
CLAY NO 2			.01	.04	.07	.06								.02	.18			.01	.08						.47
DAVIS							.01	.46	.03	.01	.01	.01	.04	.03	.01	.01	.07	.01							.70
ELKINS WB AIRPORT							.09	.07		.03	.22	.43	.25		.20	.62	.03	.12	.02						2.08
FRANKLIN							.11	.04			.06	.03	.06		.15	.35	.01	.19	.33	.02					1.35
FREEMANSBURG					.09	.22	.11	.06	.15	.05	.01			.78	.11	.17	.08	.02							1.85
HALL				.01	.01	.01	.04	.17	.07					.02	.76	.10	.15	.09							1.43
HUNDRED							.06	.03	.01	.01	.04	.16	.08												.40
HUNTINGTON NO 2 //		.13				.01		.01	.01	.02					.05										.23
LAKE LYNN							.02	.11	.11	.11	.09	.14	.17	.31	.01	.02	.02								1.11
LAKIN			.09	.01	.72	.32			.14								.07								1.35
LIVERPOOL		.01		.12	.01	.27	.05		.03	.04	.01	.01		.03	.35	.01	.14	.05							1.13
LOCKNEY		.01			.10	.08	.13				.01				.78	.01	.40	.03							1.82
MACFARLAN		.01	.01	.04	.11	.07	.18	.13	.31	.07	.02					.36	.02								1.33
MARLINTON																.06	.06	.01	.03	.01					.17
MARTINSBURG MUNICIPAL AIRPORT									.01	.10	.17	.06	.06	.06	.26	.16		.01	.02	.01	.03				.95
MATHIAS							.01	.03	.13	.03			.03	.07	.10	.39	.34	.15	.12	.04	.01	.01			1.46
MOOREFIELD								.08	.17			.03	.01	.08	.03	.49	.01	.01							.91
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.02	*	*	*	*	*	.53	*	*	*	*	*	.41					
OAK HILL																	.47		.12	.35	.07				1.01
PARKERSBURG WOOD CO AIRPORT 6			*	*	*	*	*	.34	*	*	*	*	*	.10											
PARKERSBURG WB CITY	.08		.05	.12	.01	.25	.14	.23	.10	.01				.01	.26			.01							1.27
PETERSBURG WB CITY 6									*	*	*	*	*	.49	*	*	*	*	*	.48	*	*	*	*	
SMITHBURG	.06	.01	.01			.10	.38	.03	.04	.02	.01														.66
SPRINGFIELD									.12	.46	.09	.14	.03	.01	.38	.18									1.41
SUMMERSVILLE //				.08	.12	.01	.01			.03					.01	.17	.01	.01	.17						.62
SUTTON 1 E								*	*	*	*	*	*	1.21											1.21
TERRA ALTA NO 2					.01	.04	.08	.06	.03	.01	.02	.01	.22	.07	.02	.01									.58
TRIBBLE		.01	.03	.04	.08	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-					-
TYGART DAM							.14	.06	.03	.01	.01	.01	.02												.28
UNION																					.12				.12
VALLEY HEAD							.17	.02					.01			.38	.02	.28	.10	.02					1.00
WEBSTER SPRINGS						.02	.37			.01		.01		.01		.02	.01		.06	.01					.52
WHEELING OHIO CO AIRPORT 6			*	*	*	*	*	.03	*	*	*	*	*	.26	*	*	*	*	*	.12					
YAWKEY		.04	.05	.01	.02						.59	.01													.72
—22d—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.09	*	*	*	*	*	.04											
DAVIS	.01		.01			.01	.02	.01	.02	.01															.09
GARY //																				.01	.07				.08
HUNTINGTON NO 2 //									.01	.07	.01														.09
LOGAN											.10	.09													.19
MARLINTON											.02	.01	.01												.04
PETERSBURG WB CITY 6	*	*	*	*	*	*	*	.03				.01	.03	.01	.07	.01	.01		.01					.01	.16
UNION													.01												.04
VALLEY HEAD									.01	.01		.01													
—23d—																									
UNION	.03																								.03
—28th—																									
CHARLESTON KANAWHA AIRPORT 6															*	*	*	*	*	.04					
FLAT TOP //					.01	.02	.03																		.06
GARY //					.03	.12	.05																		.20
LOGAN									.03	.01	.01	.03													.08
MARLINTON																						.01			.01
OAK HILL										.03	.04		.02												.09
PETERSBURG WB CITY 6																				*		*	*	*	
SUMMERSVILLE //																								.02	.02

See reference notes following Station Index

TABLE 4 — Continued

HOURLY PRECIPITATION

WEST VIRGINIA

SEPTEMBER 1948

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING											TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
SUTTON 1 E		.01	.01	.01								.02	.16	.13											.34
UNION																					.02				.02
YAWKEY													.01	.01	.01										.03
—29th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.04												.10	.04										.14
CLARKSBURG NO 1																									.07
CLAY //	.01	.05	.01																						.36
DAVIS					.01	.01	.01						.17	.02	.10		.01	.03							.21
ELKINS WB AIRPORT				.08									.04		.09										.08
FLAT TOP //		.02	.01	.01	.01	.03						.01	.12	.04	.14	.16	.02	.01			.08	.10	.01	.01	.70
FRANKLIN		.01	.01	.04	.01		.01				.02	.34	.06	.12	.01	.01							.01	.01	.66
FREEMANSBURG			.01	.01	.03				.01	.01					.02										.09
HALL				.10	.01	.02	.01		.01	.01			.02	.10	.01	.02									.31
HUNDRED					.02				.01		.01	.01			.07	.01									.13
LAKE LYNN	.01		.01	.01	.01															.20	.01				.25
LAKIN			.04	.09				.02																	.15
LIVERPOOL		.01	.06									.09			.02	.01	.01								.20
LOCKNEY		.02	.03	.06	.02		.10	.02																	.25
MACFARLAN	.01	.01	.01	.01	.02	.02			.01	.02	.01	.09	.01	.20	.07	.01	.01	.03							.54
MARLINTON															.01	.01	.01	.07	.02	.01	.01	.01	.01	.01	.17
MARTINSBURG MUNICIPAL AIRPORT													.01	.14	.02	.05	.12	.07	.03	.01	.01		.01	.07	.54
MATHIAS				.03	.02						.01	.01	.02	.07	*	.06	.14		*	.02			.12	.05	.53
MOOREFIELD													.02			*	*	*	*						.02
MORGANTOWN MUNICIPAL AIRPORT 6																									
OAK HILL			*	*	*	*	*	.30	*	*	*	*	*	.02	*	*	*	*	*	.11		.02	.08		.26
PARKERSBURG WOOD CO AIRPORT 6		.02		.07	.06	.03																			
PARKERSBURG WB CITY	*	*	*	*	*	*	*	.04							*	*	*	*	*	.38	*	*	*	*	.39
PETERSBURG WB CITY 6			.05	.03	.01	.01			.01	.01	.02	.03	.14	.01	.07										.33
SMITHBURG							.01	.03	.01	.01	.01	.01	.01	.10	.01	.01	.02	.04	.06						.19
SPRINGFIELD	.10	.03							.01	.03	.02					.10			.05		.01		.01		.17
SUMMERSVILLE //																									.04
TERRA ALTA NO 2									.01	.03															.32
TRIBBLE	.01	.01								.04	.06	.01	.18	.01											.26
UNION												.09		.10	.07										.14
VALLEY HEAD	.02	.01									.01	.01		.08	.01										
WEBSTER SPRINGS			*	*	*	*	*	.32	*	*	*	*	*	.04	*	*	*	*	*	1.02					
WHEELING OHIO CO AIRPORT 6																									
—30th—																									
CLARKSBURG BENEDUM FIELD 6	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.01	.01
FREEMANSBURG																							.03	.01	.04
HUNDRED																									.13
HUNTINGTON NO 2 //																		.10	.03					.06	.06
LOCKNEY			.01	.05																					.06
MARTINSBURG MUNICIPAL AIRPORT																									.12
MATHIAS	.02	.08	.01	.01																					.08
MOOREFIELD	.02	.02	.01	.01														.02							
PARKERSBURG WOOD CO AIRPORT 6	*	.01													*	*	*	*	*	.12					
PARKERSBURG WB CITY																.19						.01			.20
PETERSBURG WB CITY 6			*	*	*	*	*	.14							*	*	*	*	*	.14					.20
SPRINGFIELD	.14	.06																							.03
TERRA ALTA NO 2						.01	.01	.01																	.02
TYGART DAM						.01	.01																		
WHEELING OHIO CO AIRPORT 6															*	*	*	*	*	.02					

See reference notes following Station Index

TABLE 5

DAILY TEMPERATURES (° FAHRENHEIT)

STATION		DAY OF MONTH																													MEAN
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ALDERSON	MAX	80	83	87	82	78	78	78	78	85	87	68	75	82	80	81	80	84	84	84	79	86	77	73	66	59	72	68	67	69	78		77.6
	MIN	49	50	54	56	57	59	58	58	62	58	60	50	51	53	59	49	53	52	53	58	61	60	54	44	45	48	39	42	55	50		53.2
ATHENS	MAX	75	80	82	79	75	72	76	80	84	65	72	80	81	78	78	78	80	78	79	80	81	75	62	60	54	65	68	62	63	78		73.9
	MIN	46	46	51	57	59	62	60	61	58	58	41	48	50	56	51	48	52	57	52	64	60	60	51	43	39	39	41	49	54	47		51.9
BARTOW	MAX	77	80	81				82	80	80				83		79		79			77	77	89	62				63	65	74			
	MIN	38	38	45				49	49	39				39	49	40		48			45	58	52	46	35			29	32	53	53		
BAYARD	MAX	70	71	80	72	77	71	79	78	81	83	72	80	81	75	72	76	82	73	71	71	66	80	60	55	53	88	65	63	64	74		70.8
	MIN	35	36	42	53	52	59	57	56	50	52	40	42	50	53	38	38	45	52	53	57	54	47	37	44	42	28	32	33	49	50		45.8
BECKLEY V A HOSPITAL	MAX	79	83	86	78	78	72	72	76	80	82	64	71	83	78	80	81	82	80	81	75	81	70	62	62	63	65	69	66	67	76		74.7
	MIN	46	47	49	60	60	62	51	57	56	57	39	43	41	55	43	45	50	50	52	52	61	59	53	36	35	35	34	50	55	47		49.3
BENS RUN	MAX	79	86	91	89	86	86	83	88	82	79	81	90	90	81	83	85	91	86	82	84	69	67	69	63	62	72	77	78	76	78		80.4
	MIN	49	51	56	66	63	63	68	66	66	81	55	57	59	60	54	54	57	82	81	65	59	54	43	49	48	42	45	47	57	62		56.6
BLUEFIELD NO 1	MAX	79	82	85	76	71	74	78	82	84	65	70	81	82	79	80	80	81	80	78	82	83	82	71	63	57	65	69	64	68	76		75.6
	MIN	50	53	55	58	61	65	64	62	61	58	46	52	53	59	50	52	57	56	56	66	63	64	53	46	42	39	45	50	56	51		54.8
BLUESTONE DAM	MAX	72	83	90	92	86	86	78	80	89	90	69	82	90	88	85	88	87	88	87	88	80	88	77	69	63	59	74	76	78	69		80.9
	MIN	52	53	55	58	62	62	62	63	63	63	53	53	55	59	54	55	56	57	57	59	64	64	57	48	45	43	44	46	46	57		55.5
BRANDONVILLE	MAX	72	75	80	85	87	78	80	82	82	81	88	80	82	80	84	75	85	80	78	75	74	59	63	64	55	62	70	72	69	72		75.0
	MIN	37	38	44	56	53	56	58	81	56	60	48	56	51	50	39	43	49	50	59	59	57	50	34	47	44	30	32	36	83	50		48.9
BRANDYWINE	MAX	75	80	87	83	80	75		85	87	70	78		87	80							70	80	63	59	57	71	67		81	79		74.0
	MIN	46	43	51	58	55	62		61	55	57	45		48	56							45	52	47	44	47	34	41		54	50		50.0
BROWNSVILLE	MAX	80	86	90	88	87	86	82	87	85	75	78	87	88	84	82	84	87	86	88	75	70	66	69	67	62	74	80	78	79	79		80.3
	MIN	46	45	48	58	57	56	58	63	60	61	48	50	52	58	43	43	50	56	55	60	62	54	42	44	47	35	36	42	57	57		51.4
BUCKHANNON	MAX	76	81	86	82	80	78	79	84	83	70	75	81	84	78	78	80	84	78	75	77	78	66	68	59	58	70	74	71	78	78		78.2
	MIN	46	45	48	58	57	58	59	61	58	59	44	50	50	56	43	47	49	57	58	62	59	53	43	43	46	34	34	44	58	56		51.1
CABWAYLINGO STATE FOREST	MAX	85	86	91	89	84	92	85	88	84	74	80	87	86	82	85	87	89	84	88	88												
	MIN	43	51	52	61	60	63	62	61	61	61	49	52	58	58	54	49	52	56	54	63		60	48	41	48	39	41	49	50	60		53.6
CAIRO 3 S	MAX	81	87	90	92	85	82	82	87	82	77	78	88	89	83	83	87	88	90	82	77	76	72	70	62	61	72	79	75	80	80		80.8
	MIN	46	48	50	64	59	59	82	64	82	61	61	61	53	57	48	50	52	50	56	82	64	58	42	44	50	35	36	43	84	56		53.7
CANAAN VALLEY	MAX	70	78	81	79	76	69	77	77	77	74	71	77	77	73	89	72	78	78	72	72	69	59	58	52	50	58	66	59	68	72		70.2
	MIN	34	33	39	51	46	60	57	58	46	44	37	47	42	44	37	35	41	52	52	57	59	47	33	40	40	28	39	46	49	50		44.8
CHARLESTON NO 1	MAX	79	81	84	90	87	84	87	83	89	85	75	80	87	88	84	84	85	89	85	86	85	85	64	70	63	60	71	74	67	83		80.5
	MIN	53	55	56	66	83	88	66	66	65	61	55	55	57	62	51	53	55	62	58	89	67	60	47	48	52	43	43	51	56	61		57.5
CLARKSBURG BENEDUM FIELD	MAX	75	82	86	83	81	76	79	84	82	70	75	83	85	79	77	80	85															
	MIN	46	43	49	60	57	60	62	61	60	58	51	59	53	50	45	48	51															
CLARKSBURG NO 1	MAX	76	78	84	88	83	81	78	80	83	80	73	76	84	85	79	79	80	88	81	75	77	68	68	86	59	60	71	75	73	77		76.6
	MIN	48	47	50	54	58	50	60	81	60	60	51	53	54	55	48	49	51	52	59	49	63	55	45	46	48	37	38	39	52	57		51.6
COALWOOD	MAX	86	88	90	84	82	82	83	87	90	70	80	87	85	86	84	86	87	86	87	88	90	77	69	68	59	72	77	72	83	51		80.3
	MIN	55	51	51	60	61	64	59	84	80	61	51	50	54	54	53	51	52	55	53	63	62	65	59	45	42	39	41	51	57	52		54.5
CRANBERRY GLADES	MAX	66	72	71	78	75	65	69	75	78	77	67	76	78	78	73	78	72	76	84	75	75	74	59	61	52	63	62	65	61	68		70.8
	MIN	37	38	43	51	51	49	59	55	46	45	36	40	40	51	35	51	41	44	50	57	56	56	48	31	39	33	32	47	51	44		45.2
ELKINS WB AIRPORT	MAX	75	80	84	80	75	76	79	81	81	64	73	82	82	75	76	76	82	76	70	75	77	62	65	55	55	68	71	67	72	75		73.6
	MIN	47	44	50	58	57	65	59	59	55	50	44	49	50	47	44	44	50	55	55	56	59	52	42	43	37	36	36	43	57	52		49.8
FAIRMONT	MAX	80	85	90	85	86	78	83	88	85	72	79	86	90	82	82	81	87	85	76	79	67	66	68	60	63	75	78	73	82	78		79.0
	MIN	49	47	51	83	60	61	63	64	81	55	50	54	54	60	49	52	52	59	61	83	55	51	44	49	42	40	41	45	58	58		53.7
FLAT TOP	MAX	73	77	82	76	70	68	75	77	81	62	68	78	77	75	74	76	77	74	78	76	78	71	57	57	49	62	68	62	59	73		70.9
	MIN	48	42	45	54	57	60	59	60	80	53	41	50	47	60	44	44	46	53	58	63	61	56	50	42	38	38	44	48	53	42		50.4
GARY	MAX	74	82	83	89	85	79	83	81	83	88	68	77	85	85	81	82	84	85		85	88	88	77	62	65	59	70	75	70	79		78.9
	MIN	56	52	53	55	81	68	60	84	80	81	50	50	54	55	54	52	53	55		55	62	65	59	49	44	41	43	44	51	52		54.4
GLENVILLE NO 1	MAX	78	82	87	83	84	82	80	84	82	72	77	84	85	80	80	82	86	83	78	77	80	66	68	61	61	73	76	73	75	73		77.7
	MIN	49	49	53	84	60	59	61	65	62	61	52	52	55	82	48	51	53	58	57	63	65	58	43	47	50	38	40	44	55	60		54.5
GRAFTON	MAX	78	83	87	83	83	80	80	83	83	73	76	83	85	78	78	78	86	82	77	79	73	67	67	60	60	70	73	72	77	77		77.0
	MIN	44	43	48	57	54	58	59	80	58	58	47	50	52	56	43	45	52	53	54	57	60	54	39	43	46	33	35	40	56	54		50.2
GRANTSVILLE	MAX	81	84	87	87	87	88	88	84	88	83	78	80	87	89	84	88	86	90	85	81	79	82	66	71	64	63	74	79	78	82		81.3
	MIN	49	51	53	58	59	80	60	64	63	61	52	53	55	61	49	52	53	57	57	63	66	57	43	41	51	36	39	42	49	59		53.8
HAMLIN	MAX	79	81	87	91	87	85	83	89		83	78	82	88	89	84	86	87	91	85	88	85	89	64	70	65	60	73	75	66	84		81.1
	MIN	48	49	51	82	59	83	59	80		60	46	47	50	57	41	44	48	54	53	56	64	58	43	42	49	36	38	43	52	57		51.3
HINTON NO 1	MAX	72	86	89	91	85	85	80	82	88	92	69	82	88	89	83	84	85	88	87	86	76	88	75	68	63	59	74	75	69	69		80.2
	MIN	58	53	54	59	60	84	82	65	83	62	53	54	55	59	53	54	55	57	57	58	84	65	57	49	45	43	44	45	53	57		55.8
HUNTINGTON NO 1	MAX	84	87	93	89	88	87	84	90	84	79	84	91	90	85	88	90	93	87	92	86	85	80	78	67	62	74	78	70	85	80		83.5
	MIN	53	54	56	67	88	89	66	64	67	81	53	57	57	62	51	53	58	88	82	68	88	59	48	50	52	43	45	54	58	63		58.2
IRWOOD	MAX	77	80	85	84	80	84	83	88	94	90	85	89	91	91	82	78	82	85	84	88	81	69	68	67	62	72	75	74	72	72		80.3
	MIN	47	41	54	59	82	80	87	82	61	61	60	49	63	87	49	49	55	82	63	59	57	52	44	54	46	42	49	42	50	58		54.8
KEARNEYSVILLE	MAX	77	78	81	79	82	84	81	84	90	70	79	86	91	81	77	78	80	89	83	88	78	70	68	85	63	72	78	70	73	73		78.1
	MIN	45	44	55	59	59	84	87	64	62	61	49	55	58	84	48	49	57	83	63	62	68	52	43	53	54	37	38	43	49	59		54.7
KUMBRABOW STATE FOREST	MAX	73	71	79	78	69	70	75	78	78	66	89	77	78	72	72	75	79	73	70	73	73	65	83	54	48	65	69	62	67	71		70.3
	MIN	36	38	44	51	53	81	55	57	50	54	39	43	45	52	37	40	44	48	47	53	59	54	48	33	42	29	31	44	55	47		46.3
LA SAGE GREENBOTTOM	MAX	81	87	92				87	88	87	78			90	85	85	90	93			90	85	85	71	69			78	75	85	80		83.9
	MIN	50	53	56	64			83	63	65	60	53		55	60	49	51	54	63		60	87	53	45	46	52		41	54	55	80		55.7

See reference notes following Station Index

TABLE 5 — Continued

DAILY TEMPERATURE (°FAHRENHEIT)

STATION		DAY OF MONTH																													MEAN
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
LEWISBURG	MAX	78	81	80	79	73	72	77	83	86	87	75	82	85	83	80	79	82	83	80	80	85	72	84	59	55	88	70	85	83	77		75.4
	MIN	47	46	51	58	58	63	60	80	55	58	46	45	45	55	48	47	49	50	53	60	59	60	52	37	48	38	38	50	54	52		51.0
LOGAN	MAX	82	86	91	96	89	85	91	81	91	87	74	82	89	88	82	87	90	89	88	90	90	89	88	72	65	85	74	77	77	81		83.2
	MIN	58	55	58	81	84	71	85	85	85	62	54	55	58	59	52	52	54	57	57	62	88	65	54	48	45	45	49	49	58	61		57.3
LONDON LOCKS	MAX	79	82	87	90	88	84	83	82	89	87	73	79	88	88	82	82	86	88	84	87	88	87	65	71	84	60	73	78	70	79		80.6
	MIN	54	54	53	58	84	65	64	85	84	60	54	54	55	58	52	52	52	55	58	58	86	60	51	47	47	43	44	44	50	58		55.3
MADISON	MAX	82	83	88	92	90	85	90	85	90	88	73	88	87	88	82	84	88	90	84	87	85	88	66	72	85	60	73	75	71	85		81.9
	MIN	55	53	55	57	62	65	85	68	62	61	52	53	52	59	51	50	52	58	57	88	66	62	51	47	48	45	48	46	54	60		55.9
MANNINGTON 1 N	MAX	81	87	90	87	85	80	82	86	83	76	80	88	89	83	82	83	89	84	80	81	74	85	70	80	64	78	80	73	78	77		79.7
	MIN	77	43	49	60	58	58	58	82	60	60	49	48	51	55	42	47	48	55	55	58	60	53	37	45	49	32	34	38	56	55		51.7
MARTINSBURG MUNICIPAL AP	MAX	78	77	81	80	84	80	80	84	91	86	78	85	89	80	75	77	79	85	86	85	70	67	67	60	63	73	75	71	72	74		77.7
	MIN	45	44	56	60	82	81	66	63	61	55	54	53	58	58	51	51	55	64	65	60	55	51	45	53	42	38	39	43	50	59		53.9
MC NEILL 2 NE	MAX	79	85	90	81	84	88	85	89	90	73	80	91	84	78	80	84	87	84	81	82	75	61	66	69	63	72	78	69	63	60		78.2
	MIN	39	39	48	58	54	59	61	59	56	57	41	46	55	42	49	43	49	52	53	52	50	53	48	40	47	52	31	40	41	50		48.7
MIDDLEBOURNE 3 SE	MAX	80	81	85	89	84	84	80	80	88	82	77	80	88	88	81	82	84	89	83	75	81	68	88	70	60	62	72	76	76	75		78.9
	MIN	45	44	50	59	59	59	59	59	81	59	49	51	53	57	46	49	50	56	56	59	63	52	41	46	48	33	35	38	55	58		51.6
MOOREFIELD	MAX	77	85	88	84	85	83	87	86	91	73	80	90	91	84	78	80	87	85	80	84	75	67	68	67	63	74	77	67	62	79		79.2
	MIN	46	45	53	60	59	65	64	52	60	55	48	51	53	59	48	49	54	56	58	57	58	53	44	43	41	40	39	43	55	56		52.1
MORGANTOWN MUNICIPAL AP	MAX	75	81	88	84	83	78	80	82	80	70	74	84	85	77	78	78	85	80	76	76	66	64	66	57	61	71	75	70	79	77		75.9
	MIN	47	48	54	65	63	68	66	88	64	58	54	61	59	55	52	50	57	65	61	65	53	49	42	49	44	39	41	46	59	59		55.2
MORGANTOWN NO 1	MAX	79	83	89	84	85	80	81	88	83	71	78	87	89	79	79	80	88	82	77	78	73	64	84	63	67	73	79	70	78	78		78.9
	MIN	49	59	84	84	82	67	64	67	65	61	54	61	59	59	49	51	56	55	61	65	58	58	56	51	49	39	40	44	57	59		56.8
MORGANTOWN LOCK 1	MAX	78	79	87	90	88	87	82	84	87	84	73	79	87	89	80	80	82	89	80	78	82	64	64	68	60	64	74	78	73	80		79.0
	MIN	49	48	49	50	59	60	63	65	63	60	52	55	57	58	50	50	52	55	56	61	83	54	42	43	50	36	40	42	49	58		53.0
NEW CUMBERLAND DAM 9	MAX	79	87	90	91	88	83	82	89	78	79	79	89	90	84	79	81	91	87	80	81	84	67	67	60	67	75	80	79	73	75		79.8
	MIN	64	50	83	87	68	64	88	87	69	59	54	62	60	59	50	55	56	62	65	86	54	46	44	52	45	42	45	47	56	65		57.4
NEW MARTINSVILLE	MAX	82	88	92	89	86	81	81	87	85	78	80	90	89	83	83	92	90	89	80	81	75	68	71	63	64	76	79	79	78	79		81.2
	MIN	46	49	54	54	63	81	83	64	64	60	52	55	55	80	50	54	55	54	53	62	59	52	44	50	47	50	45	58	60	61		55.1
OAK HILL	MAX	71	70	80	85	81	78	72	78	82	86	84	74	80	84	80	77	78	81	79	81	77	82	63	63	57	55	67	71	67	70		74.4
	MIN	50	54	52	52	66	63	83	60	57	58	48	50	54	57	46	46	48	53	55	62	60	59	51	37	39	40	37	60	55	56		52.9
PARKERSBURG WOOD CO AP	MAX	78	84	89	86	83	81	77	85	80	75	77	88	88	81	80	85	88	85	83	80	72	68	68	61	60	73	76	73	76	75		78.5
	MIN	50	48	53	85	65	85	66	66	64	59	54	60	60	60	51	56	54	67	65	66	56	51	45	52	44	39	43	46	55	60		56.2
PARKERSBURG WB CITY	MAX	77	85	89	88	83	82	78	89	80	78	80	88	89	79	81	85	89	85	83	79	75	66	68	60	60	72	76	73	79	77		79.0
	MIN	53	50	56	86	65	65	67	65	65	61	54	60	59	61	55	54	57	69	66	68	56	52	45	53	47	43	44	51	57	63		57.5
PARSONS	MAX	78	81	85	84	80	76	82	83	84	73	73	83	85	79	76	78	85	79	74	76	73	73	66	60	58	69	73	71	72	78		76.2
	MIN	45	45	52	58	55	64	60	62	58	59	49	48	52	56	46	47	52	54	54	55	61	53	40	44	46	37	38	41	56	54		51.4
PETERSBURG WB CITY	MAX	77	84	89	81	82	79	83	87	91	67	80	90	91	84	76	79	87	85	78	86	70	63	66	60	62	72	75	65	61	78		77.6
	MIN	46	44	52	61	58	61	64	62	58	52	48	54	53	53	46	48	52	63	63	66	57	51	45	51	40	37	38	42	55	56		52.5
PIEDMONT	MAX	78	82	87	83	83	80	85	87	87	88	76	85	89	85	78	77	84	82	80	79	73	67	67	60	59	71	74	70	64	74		77.9
	MIN	47	44	52	81	59	64	66	64	60	60	49	52	58	60	47	47	53	63	60	63	62	53	43	50	48	38	41	42	51	56		53.8
PINEVILLE	MAX	72	79	88	93	81	80	87	79	87	89	69	79	80	87	85	85	86	87	83	87	88	87	75	68	66	59	72	75	73	77		80.1
	MIN	50	50	51	55	58	61	57	59	59	58	50	49	52	53	50	49	51	53	52	52	61	62	58	42	39	39	41	42	52	51		51.9
POINT PLEASANT	MAX	79	85	91	90	84	85	85	90	88	78	84	91	91	85	83	88	91	88	90	90	82	80	70	68	62	74	77	77	83	80		83.0
	MIN	52	53	57	66	64	67	66	67	68	61	55	60	58	63	54	54	56	67	66	67	67	57	47	51	51	42	44	51	57	63		58.4
RAINELLE NO 1	MAX	67	71	74	89	77	73	78	84	87	64	77	83	84	78	79	81	83															
	MIN	45	57	49	54	80	60	58	60	55	56	42	44	47	51	42	42	47															
RAVENSWOOD DAM 22	MAX	81	87	90	89	86	85	84	89	88	77	80	88	89	87	85	88	90	87	89	87	80	71	70	70	62	74	77	75	81	88		82.5
	MIN	46	46	51	65	60	67	85	62	62	60	50	54	54	58	47	48	57	60	55	64	64	54	44	44	49	36	39	45	54	61		54.0
RICHWOOD	MAX	71	74	74	78	83	77	75	78	80	83	64	76	80	81	82	76	79	83	78	73	78	79	65	65	57	66	71					74.9
	MIN	39	39	41	46	53	60	56	58	62	58	39	42	49	54	38	39	42	47	48	50	56	55	50	34	34	32	30					46.3
RIPLEY	MAX	83	87	92	87	86	87	84	91	88	77	83	90	91	87	88	88	92	87	91	85	82	80	72	67	63	76	78	76	82	80		83.3
	MIN	47	48	51	64	58	61	83	60	61	59	48	50	52	57	45	47	49	60	56	64	64	55	42	45	50	35	36	43	53	60		52.8
ROMNEY	MAX	77	83	85	83	83	82	82	85	90	76	80	89	89	89	78	78	87	85	81	82	80	66	65	62	62	71	73	71	66	75		78.5
	MIN	40	42	53	58	57	60	63	62	58	58	47	49	53	58	44	44	50	60	59	57	57	51	40	48	40	36	36	40	50	55		50.8
ROWLESBURG NO 1	MAX	77	80	83	88	85	83	80	84	85	84	69	78	85	88	79	80	81	87	79	78	78	67	69	69	59	61	71	74	72	78		77.6
	MIN	48	48	48	54	59	59	80	82	84	59	54	52	53	56	43	48	50	54	58	59	60	55	44	44	47	40	37	38	44	54		51.5
SALEM	MAX		85	90		87	87	80	88	87	75	77	84	88	83	87	83	88		85	84	71	69			71	77	79	73	75	75		81.0
	MIN	45	49	47		57	57	57	67	57	60	50	52	51	52	44	50	49		57	57	61	55			35	33	33	40	57	59		51.2
SHADY SPRINGS	MAX	76	80	82	78	78	72	78	80	82	64	72	80	81	78	78	79	80	76	79	78	79	77	82	59	51	67	70	65	64	74		73.8
	MIN	41	46	47	53	57	82	58	58	53	58	39	43	45	53	41	43	51	49	47	60	57	50	52	35	33	32	39	50	53	45		48.2
SPENCER	MAX	78	77	82	87	83	82	80	84	79	77	79	78	85	88	80	80	83	87	84	84	80	80	64	67	60	60	70	70	72	78		77.9
	MIN	50	50	53	65	59	66	82	62	80	51	51	54	55	54	48	50	53	52	59	65	64	56	44	46	50	39	38	46	55	59		53.9
SUMMERSVILLE	MAX	78	81	85	82	82	77	82	83	84	65	75	78	83	77	79	80	83	79	83	88	78	62	66	59	58	70	74	70	71	75		76.1
	MIN	42	44	57	53	53	55	57	51	58	43	43	42	38	40	43	44	48	49	57	58	56	49	37	41	30	30	40	49	53	50		48.9
SUTTON	MAX	84	84	92	92	86	86	82	90	90	85	84	86	86	85	83	85	90	90	88	82	82	80	69	69	67	75	80	80	71	74		82.5
	MIN	50	51	52	60	58	59	80	82	80	81	52	50	53	58	49	50	52	52	55	62	62	56	47	44	48	41	42	43	55	53		53.2

See reference notes following Station Index

TABLE 5 — Continued

DAILY TEMPERATURE (°FAHRENHEIT)

STATION		DAY OF MONTH																													MEAN
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
TERRA ALTA NO 1	MAX	70	76	78	78	74	74	76	78	78	76	77	78	82	78	70	74	78	78	72	70	68	66	60	52	52	62	66	82	84	72		71.2
	MIN	35	38	48	48	50	53	55	57	53	54	52	45	46	48	44	40	42	44	54	58	48	46	34	42	40	30	44	40	42	48		45.6
UNION	MAX	69	76	82	84	80	73	73	82	84	86	67	76	82	85	80	80	79	83	81	81	79	84	75	69	58	55	66	68	64	63		75.5
	MIN	48	45	49	55	60	82	59	60	54	58	47	45	48	54	49	47	50	50	52	59	58	61	52	39	42	38	41	45	52	49		50.9
VALLEY CHAPEL	MAX	88	87	92	91	87	84	83	88	86	80	79	87	89	88	84	85	86	88	82	80	77	69	68	68	64	74	79	79	79	80		81.7
	MIN	68	47	52	60	59	57	59	64	61	61	51	52	54	60	48	50	54	58	57	59	63	55	45	45	49	35	38	44	58	58		54.0
VIENNA BRISCOE	MAX	79	85	91	95	85		84	88	87	79	80	85		87	82	86	90			87	74	69	70	67			77	77	79	77		81.7
	MIN	51	51	55	65	60		65	65	66	62	60	65	57	62	51	54	54			61	65	55	46	58			39	52	45	50		56.4
WARDENSVILLE R M FARM	MAX	76	74	79	83	82	82	79	80	83	88	65	78	85	87	79	73	76	82	83	78	83	63	67	64	61	60	69	72	66	87		75.5
	MIN	42	42	53	57	57	59	83	81	58	81	45	48	53	58	43	44	51	54	56	54	62	51	43	44	46	38	34	40	44	56		50.5
WEBSTER SPRINGS	MAX	77	82	85	83	80	78	79	83	83	68	75	83	85	79	78	81	83	79	73	75	79	70	68	59	55	75	79	68	71	76		76.2
	MIN	49	48	52	61	57	67	62	65	57	59	47	49	53	57	45	48	51	56	54	62	63	59	53	46	48	39	40	43	55	55		53.3
WELLSBURG 3 NE	MAX	79	86	91	91	88	80	81	88	84	79	80	90	91	80	80	79	92	87	82	78	78	67	67	64	64	75	78	75	73	74		80.0
	MIN	42	42	48	56	58	58	82	84	64	57	58	54	54	52	43	52	48	55	63	54	55	44	35	49	45	36	37	37	45	56		50.8
WESTON	MAX	79	80	87	90	86	85	83	83	87	83	70	78	88	89	81	82	84	88	83	79	80	81	68	69	60	61	74	79	72	77		79.5
	MIN	49	48	48	52	59	59	80	61	80	60	50	50	54	55	49	49	50	54	80	60	66	54	45	45	48	38	39	40	47	58		52.2
WHEELING OHIO CO AP	MAX	75	83	87	88	84	77	78	87	78	76	76	86	88	79	78	80	88	83	79	78	65	62	62	57	60	69	73	72	71	71		76.3
	MIN	46	46	58	82	66	65	85	64	61	57	50	61	62	56	48	56	56	84	62	64	49	44	38	48	45	37	43	46	47	59		54.2
WHEELING WARWOOD DAM 12	MAX	78	78	85	89	87	86	80	80	87	80	79	78	87	89	80	78	81	89	84	80	80	63	66	66	61	63	74	79	76	74		78.6
	MIN	47	48	48	58	62	63	85	87	67	81	54	55	60	58	51	51	55	55	61	63	62	48	43	43	47	43	44	46	49	58		54.3
WHITE SULPHUR SPRINGS	MAX	80	83	84	80	75	73	80	84	86	70	78	84	83	80	80	80	81	81	78	79	83	78	66	66	58	69	70	70	66	78		76.7
	MIN	49	46	62	84	58	54	83	62	68	60	50	67	52	68	46	60	52	55	54	51	61	60	54	41	48	37	38	52	54	56		54.6
WILLIAMSON	MAX	83	87	91	95	89	90	93	85	92	89	75	85	90	88	85	87	91	94	89	92	94	94	70	73	67	83	74	81	79	87		85.1
	MIN	55	53	55	58	83	66	51	53	51	48	41	54	57	60	52	51	53	57	56	58	65	61	53	45	41	42	42	48	53	59		53.4
WINFIELD LOCKS	MAX	80	81	88	91	88	83	86	83	89	80	79	81	87	89	83	84	88	89	84	88	85	83	66	71	65	62	73	75	70	82		81.0
	MIN	52	52	57	59	65	89	67	68	86	62	54	55	57	60	51	51	55	57	62	62	68	59	47	48	51	42	42	44	51	60		58.4

See reference notes following Station Index

TABLE 6

DAILY EVAPORATION (INCHES) AND WIND MOVEMENT (MILES)

WEST VIRGINIA

SEPTEMBER 1948

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	DEPARTURE FROM NORMAL
CLARKSBURG NO 1	EVAP	.149	.112	.100	.078	.071	.116	.049	.084	.095	.082	.090	.082	.078	.070	.050	.171	.086	.083	.045	.218	.039	.094	.108	.079	.071	.088	.054	.097	.056	.020		2.585	
	WIND	82	34	21	20	18	61	27	34	38	51	21	37	28	52	25	32	5	21	38	19	58	43	48	54	46	41	44	50	48	27		1102	
WARDENSVILLE R M FARM	EVAP	.227	.174	.047	.273	.078	.130	.081	.141	.136	.180	.013	.192	.137	.273	.145	.182	.034	.242	.031	.030	.158	.123	.022	.103	.183	.096	.097	.086	.060			3.662	
	WIND	14	8	7	10	2	13	15	18	8	16	8	8	16	9	15	7	7	9	11	8	21	17	21	16	7	17	18	11	2	11		350	

TABLE 7

DAILY RIVER STAGES (FEET)

RIVER AND STATION	FLOOD STAGE	DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	HIGHEST (OR CREST)	DATE	LOWEST	DATE
POTOMAC																																				
HARPERS FERRY	18	1.0	1.0	1.0	0.8	1.0	0.8	0.8	0.8	0.8	0.8	1.0	1.0	1.E	1.8	2.0	1.5	1.5	1.1	0.8	1.0	1.0	1.0	1.0	1.0	1.2	1.8	1.2	1.0	1.0	1.0		2.0	15	0.8	4+
TYGART																																				
ELKINS WB AIRPORT	14	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.9	3.2	3.2	3.1	3.0	2.8	2.8	2.E	2.8	2.7	2.8	3.2	4.0	3.0	3.2	3.1	3.1	3.1	3.0	3.0	3.0		4.0	22	2.7	6+
PHILIPPI	20	2.6	2.8	2.5	2.3	2.2	2.2	2.0	2.0	2.0	2.2	5.0	4.3	3.5	3.1	2.8	2.6	2.4	2.3	2.2	3.0	3.6	10.8	8.8	5.1	4.1	3.7	3.4	3.1	3.0	2.8		10.8	22	2.0	7+
WEST FORK																																				
WESTON	15	2.5	2.2	2.1	1.9	1.9	1.9	1.8	2.0	1.9	2.7	4.2	3.2	2.4	2.3	2.2	2.1	2.0	2.0	2.0	6.4	4.1	13.3	4.9	3.7	2.9	2.9	2.6	2.3	2.2	3.2		13.3	22	1.8	7
MONONGAHELA																																				
BOULT LOCK 15 LOWER	22	7.6	7.6	7.6	7.7	7.7	7.6	7.7	7.7	7.7	7.7	7.7	7.8	7.8	7.9	8.0	8.0	8.0	8.0	8.0	8.0	8.9	8.6	10.6	9.5	8.1	8.1	8.1	8.0	8.9	8.2		10.6	23	7.6	1+
BOULT LOCK 15 UPPER		7.6	7.6	7.6	7.7	7.7	7.6	7.7	7.7	7.7	7.7	7.7	7.9	7.8	8.0	8.0	8.0	8.0	8.0	8.0	8.8	8.7	8.8	10.0	9.3	9.0	8.0	8.0	8.9	8.8	8.1		10.0	23	7.6	1+
MORGANTOWN LOCK 10 LOWER	25	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.1	8.0	8.3	8.3	8.2	8.3	8.3	9.4	9.4	8.8	10.8	8.8	8.6	9.4	9.3	8.2	8.2	8.8		10.8	23	8.0	1+
MORGANTOWN LOCK 10 UPPER		7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.8	7.8	8.0	7.8	7.8	7.9	7.9	9.0	8.8	8.4	10.2	9.3	8.0	8.0	8.9	8.8	8.8	8.4		10.2	23	7.6	1+
LITTLE KANAWHA																																				
GLENVILLE	23	2.5	2.4	2.3	2.2	2.1	2.0	2.0	2.0	2.0	2.0	6.4	3.6	3.2	2.8	2.6	2.4	2.3	2.2	2.1	3.5	3.8	12.1	8.7	4.4	3.6	3.2	3.0	2.8	2.6	2.5		12.1	22	2.0	6+
CRESTON	20	2.2	2.7	2.7	2.7	2.6	2.5	2.5	2.5	2.6	2.5	2.7	3.0	3.5	3.7	2.8	2.8	2.7	2.6	2.5	2.5	2.6	4.0	7.4	5.7	3.6	3.2	2.9	2.5	2.6	2.8		7.4	23	2.2	1
GAULEY																																				
CAMDEN ON GAULEY	23	2.1	2.1	1.9	1.8	1.7	1.7	1.6	2.4	2.2	2.1	3.5	2.6	2.3	2.1	2.0	1.8	1.E	1.7	1.7	1.8	2.1	3.0	2.7	2.4	2.2	2.1	2.0	2.0	1.9	1.8		3.5	11	1.6	7
NEW																																				
SINTON	14	0.9	0.8	0.7	0.7	0.7	0.6	0.7	0.8	1.1	1.1	1.0	1.0	1.0	0.9	1.0	0.9	0.7	0.7	0.7	0.7	0.7	1.0	0.9	0.8	1.0	0.8	0.8	0.7	0.6	0.7		1.1	9+	0.6	6+
KANAWHA																																				
KANAWHA FALLS	25	2.1	1.9	1.E	1.8	1.4	1.3	1.4	1.4	1.6	2.5	2.4	2.8	2.5	1.8	1.9	2.0	2.0	1.5	1.5	1.5	1.7	1.5	1.8	2.0	2.2	2.2	1.8	1.9	1.4	1.2		2.8	12	1.2	30
LONDON LOCKS LOWER	43	h8.1	h9.2	h9.0	h8.0	h8.1	h8.9	h9.0	h8.0	h9.2	h9.3	h9.3	b8.3	h9.1	h8.9	h9.1	h9.2	h8.1	h9.0	h8.0	h9.1	h9.0	h9.1	h9.0	h8.0	h9.2	h9.0	h8.1	h9.1	h8.9	b9.0		8.3	10+	8.9	6+
LONDON LOCKS UPPER		h17.5	h17.8	h17.7	h17.6	h17.5	h17.7	h17.6	h17.8	h17.6	h17.7	h17.8	a17.8	h17.7	h17.8	h17.8	h17.8	h17.8	h17.7	h17.8	h17.8	h17.4	h17.7	h17.8	h17.7	h17.9	h17.7	h17.8	h17.8	h17.7	h17.7		17.9	25	17.4	21
CHARLESTON NO 2	34	h7.0	h7.0	h7.0	h7.0	b7.0	h7.0	h7.0	b7.0	h7.0	b7.0	h7.0	h7.0	h7.0	h7.0	h7.0	h7.0	b7.0	h7.0	h7.0	b7.0	h7.0	h7.2	h7.2	h7.0	h7.0	b7.0	h7.0	b7.4	h7.2	h7.0		7.4	28	7.0	1+
GUYANDOT																																				
LOGAN	20	2.7	2.7	2.6	2.6	2.8	2.6	2.6	2.8	2.6	3.0	3.0	3.0	2.9	2.9	2.8	2.8	2.8	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6	2.6		3.0	10+	2.6	3+
TWELVE POLE CREEK																																				
WAYNE	25	3.2	3.1	3.1	3.1	3.1	3.1	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.1	3.2	3.2	3.1	3.2	3.1	3.1	3.1	3.1	3.1		3.2	1+	3.1	2+
OHIO																																				
WHEELING WAHWOOD DAM L	38	8.0	8.1	8.0	8.0	8.0	8.0	9.0	8.0	8.3	9.0	9.2	8.2	9.0	8.0	9.2	8.0	8.0	8.1	9.4	8.2	9.2	8.1	9.3	10.1	9.2	9.4	9.0	9.2	8.2	9.3		10.1	24	9.0	1+
WHEELING WARWOOD DAM U		15.4	15.5	15.5	15.8	15.8	15.6	15.4	15.4	15.8	15.4	15.5	15.5	15.5	15.5	15.8	15.5	15.4	15.5	15.4	15.5	15.4	15.3	15.3	15.2	15.3	15.4	15.3	15.5	15.6	15.4		15.6	4+	15.2	24
PARKERSBURG	38	10.7	10.6	10.7	10.5	10.9	10.7	10.7	10.5	10.5	10.6	10.6	10.6	10.7	10.3	10.2	10.7	10.6	10.7	10.8	10.9	10.8	10.3	10.7	11.0	10.3	10.5	10.4	10.4	10.5	10.3		11.0	24	10.2	15+
RAVENSWOOD DAM 22 L	44	9.2	8.5	8.4	8.5	8.4	9.8	8.5	8.5	8.5	9.4	8.4	9.6	9.5	9.6	8.5	8.5	8.4	8.4	8.5	8.9	10.4	10.5	8.6	9.9	9.5	8.6	9.6	9.4	9.3	8.2		10.5	22	9.2	1+
RAVENSWOOD DAM 22 U		1.5	1.5	1.5	1.5	1.E	1.8	1.6	1.5	1.6	1.6	1.6	1.8	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.8	1.6	1.5	1.6	1.6	1.6	1.6	1.6	1.6	1.6	1.6		1.6	5+	1.5	1+
POINT PLEASANT	40	b23.8	h24.1	h24.0	h24.2	h24.1	h24.1	h24.1	h24.0	h24.0	h24.2	h24.2	h24.3	h24.0	h24.2	h24.1	h24.2	h24.0	h23.8	h24.1	h23.8	h24.0	h24.1	h23.8	h24.3	h24.2	h24.0	h24.2	h23.9	h23.9	h23.9		24.3	12+	23.8	1+
HOGSETT GALLIPOLIS DAM L	50	8.8	9.E	9.8	8.8	9.8	8.7	8.7	8.6	8.5	10.1	9.6	8.9	10.3	10.0	9.7	8.6	8.E		9.7	10.3	8.4	9.8	10.4	10.8	11.4	8.5	10.0	8.8	9.8	8.7		11.4	25	8.8	1
HOGSETT GALLIPOLIS DAM U	35	b17.8	h18.2	h18.0	h18.3	h18.3	h18.1	h18.2	h18.0	h18.0	h18.3	h18.2	h18.3	h17.9	h18.2	h1E.1	h18.1	h18.2	h18.0	h18.1	h18.0	h17.8	h18.0	h17.8	h18.1	h18.2	h17.9	h18.2	h18.0	h18.0	h17.9		1E.3	4+	17.8	1+

The following reference notes apply only to Table 7 - Daily River Stages:

Readings are made at approximately 7 e.m. (local time). They are provisional and subject to correction. Final and corrected stages will be published in the annual publication "Daily River Stages - Principal Rivers of the United States."

- e Obstructed by rough ice.
- h Frozen but open at gage.
- c Upper surface of smooth ice.
- d Ice gorge above gage.
- a Ice gorge below gage.
- f Shore ice.
- g Floating ice.
- b Pool stage.
- i Dry at gage.
- j Interpolated.

STATION INDEX

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
ABERDEEN	0012	UPSHUR	WEST FORK	39 03	80 19	1060	EST		4P		24		L ESLE BOND	3
ALDERSON	0102	MONROE	GREENBRIER	37 43	80 39	1550	EST	6P	6P	2	2		JOHN E FOSTER	2 3 5
ALPENA	0143	RANDOLPH	CHEAT	38 55	79 40	3020	EST		8A		14		ARTHUR G ROY	3
ARBOVALE	0249	POCAHONTAS	GREENBRIER	38 26	79 49	2734	EST		8A		25		H S SUTTON	3
ARNOLD	0307	LEWIS	WEST FORK	38 55	80 30	1100	E8T		5P				E C GAY	3
ATHENS	0355	MERCER	BLUESTONE	37 25	81 01	2600	EST	6P	6P	3	7		CONCORD COLLEGE	2 3 5
BARTOW	0509	POCAHONTAS	GREENBRIER	38 32	70 41	2780	EST	5P	5P		18		U S FOREST SERVICE	2 3 5
BAYARD	0527	GRANT	POTOMAC-N BRANCH	39 18	79 22	2370	EST	7P	7P	45	43		HOWARD R FULK	2 3 5
BECKLEY V A HOSPITAL	0580	RALEIGH	NEW	37 47	81 11	2350	EST	4P	4P	41	41		CORPS OF ENGINEERS	2 3 5
BELLINGTON	0633	BARBOUR	TYGART	39 02	79 58	1725	EST		7A		10		GEORGE R HILLYARD	3
BELLEVILLE DAM 20 LOWER	0645	WOOD	OHIO	39 09	81 45	600	E3T		7A		31		LOCKMASTER	3
BENSON	0679	HARRISON	TYGART	39 09	80 03	1080	E8T	4P	4P	23	23		R D MARTS	2 3 5
BENS RUN	0687	PLEASANTS	OHIO	39 27	81 07	852	E8T	7P	7P	47	47		MRS C W REA	2 3 5
BERLIN	0718	LEWIS	WEST FORK	39 03	80 21	1050	EST		8A		2		MRS A P SWISHER	3
BIG SKIN CREEK	0824	LEWIS	WEST FORK	38 57	80 28	1050	EST		6P		8		ALBERT JEWELL	3
BLUEFIELD 1	0918	MERCER	BLUESTONE	37 18	81 13	2590	EST	5P	5P	49	53		NORFOLK & WESTERN RWY	2 3 5
BLUEFIELD 2	0923	MERCER	BLUESTONE	37 16	81 13	2590	EST		7A				OTA C KEENEY	3
BLUESTONE DAM	0939	SUMMERS	BLUESTONE	37 38	80 53	1408	E8T	8A	8A	5	5		WILLARD F RUSSELL	2 3 5
BRANCHLAND	1075	LINCOLN	GUYANDOT	38 13	82 12	800	EST		7A		5		VERLIN H ADKINS	3
BRANDONVILLE	1083	PRESTON	CHEAT	39 40	79 37	1798	EST	10A	10A	6	18		JAMES I GALLOWAY	2 3 5
BRANDYWINE	1091	PENDLETON	SOUTH BRANCH-S FORK	38 38	79 14	1586	EST	6P	8P	31	31		MRS MARY M JOSEPH	2 3 5
BROWNSVILLE	1173	LEWIS	WEST FORK	39 03	80 29	1032	E3T	4P	4P	24	24		M D HAWKINS	2 3 5
BRUSHY FORK	1198	HARRISON	WEST FORK	39 13	80 13	1030	EST		4P		1		MRS ABBIE PARKS	3
BRUSHY RUN	1204	PENDLETON	POTOMAC-S BRANCH	38 50	79 15	1375	EST		7A		9		JOHN B SHREVE	3
BUCKHANNON	1220	UPSHUR	BUCKHANNON	39 00	80 16	1459	EST	6P	8P	53	57		DR ARTHUR B GOULD	2 3 5
CABWAYLINGO STATE FOREST	1319	WAYNE	TWELVEPOLE CREEK	37 59	82 21	740	EST	6P	6P				FOREST CUSTODIAN	2 3 5
CAIRO 3 MI 3	1328	RITCHIE	HUGHES	39 10	81 10	880	EST	6P	8P	42	38		KUREKA PIPE LINE CO	2 3 5
CAMDEN-ON-GAULEY	1383	WEBSTER	GAULEY	38 22	80 38	2029	EST		8A		48		WILLIAM F COMPTON	3 7
CANAAN VALLEY	1393	TUCKER	CHEAT	39 03	79 26	3250	EST	6P	8P	3	3		GEORGE B THOMPSON	2 3 5
CHARLESTON-KANAWHA CO AIRPORT	1570	KANAWHA	KANAWHA	38 22	81 38	950	EST		x				CIVIL AERO ADM	3 4
CHARLESTON 1	1575	KANAWHA	KANAWHA	38 21	81 38	815	EST	9A	9A	44	81		W VA WATER SERVICE CO	2 3 5
CHARLESTON 2	1580	KANAWHA	KANAWHA	38 21	81 38		EST		7A				JAMES R WOODFORD	3 7
CHARLESTON 3	1585	KANAWHA	KANAWHA	38 21	81 38	600	EST		MID				WILLIAM KESSLER	3 4
CLARKSBURG-BENEDUM FIELD	1872	HARRISON	WEST FORK	39 17	80 14	1188	EST	MID	x	8	8		U S AIRWAY STATION	2 3 4 5
CLARKSBURG 1	1877	HARRISON	WEST FORK	39 18	80 21	1015	EST	7A	7A	25	31	23	PERKINS BOYNTON	2 3 5 8
CLARKSBURG 2	1882	HARRISON	WEST FORK	39 17	80 20	1000	EST		6P		4		SAMUEL R PERINE	3 4
CLAY 1	1896	CLAY	ELK	38 28	81 05	790	EST		8A		34		LEWIS E WOOFTER	7
CLAY 2	1701	CLAY	ELK	38 28	81 04	850	EST		MID				MUNICIPAL WATER PLANT	3 4
COALWOOD	1798	MC DOWELL	TUG FORK	37 23	81 39	1450	EST	5P	5P	5	5		W A MC NEES	2 3 5
COBURN CREEK	1806	HARRISON	WEST FORK	39 15	80 28	1075	EST		5P		2		MISS I M GREATHOUSE	3
CRANBERRY GLADES	2013	POCAHONTAS	GREENBRIER	38 11	80 18	3400	EST	8P	6P	4	4		FEDERAL PRISON CAMP	2 3 5
CRAWFORD	2022	LEWIS	WEST FORK	38 52	80 26	1107	EST		6P		24		MISS BELLE BLAIR	3
CRESTON	2054	WIRT	LITTLE KANAWHA	38 57	81 18	656	EST		7A		47		MRS NELLIE B ARTHUR	3 7
DAILEY	2151	RANDOLPH	TYGART	38 49	79 53	1975	EST		7A		10		LAURA E FULWIDER	3
DAVIS	2209	TUCKER	CHEAT	39 08	79 27	3120	EST		MID		10		MARY DUMAS	3 4
DAVISSON RUN	2217	HARRISON	WEST FORK	39 18	80 24	1000	EST		6P		3		MRS I H ALESTOCK	3
DOCK CREEK	2488	HARRISON	WEST FORK	39 09	80 24	1088	EST		9A		2		MRS A ELEANOR TALBOTT	3
ELK	2701	HARRISON	WEST FORK	39 11	80 14	1000	EST		5P		11		MRS S R HARRISON JR	3
ELKINS 1	2713	RANDOLPH	TYGART	38 53	79 51		EST		7A				D M TYLER	3
ELKINS WB AIRPORT	2718	RANDOLPH	TYGART	38 53	79 51	2006	EST	MID	MID	49	49		U S WEATHER BUREAU	2 3 4 5 7
FAIRMONT	2920	MARION	MONONGAHELA	39 28	80 09	1023	EST	MID	MID	43	56		GLENN L MILLAN	2 3 5
FINK RUN	3024	UPSHUR	BUCKHANNON	39 00	80 18	1420	EST		4P		2		MRS BERTHA M HILL	3
FLAT TOP	3072	MERCER	BLUESTONE	37 35	81 08	3270	EST	MID	1A	10	10		U S AIRWAY STATION	2 3 4 5
FRANKLIN	3215	PENDLETON	POTOMAC- S BRANCH	38 42	79 20	1750	EST		7A		11		DICK B MURPHY	3 4
FREEMANSBURG	3238	LEWIS	WEST FORK	39 08	80 32	1030	EST		MID		10		EDDIE MC INTYRE	3 4
GARY	3353	MC DOWELL	TUG FORK	37 22	81 33	1426	EST	8A	8A	28	31		E F KETTER	2 3 4 5
GLENVILLE 1	3544	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	6P	7A	53	58		FRED W WELLS	2 3 5
GLENVILLE 2	3549	GILMER	LITTLE KANAWHA	38 58	80 50	780	EST	7A			59		MRS KATHLEEN W WELLS	3 7
GRAFTON	3630	TAYLOR	TYGART	39 21	80 01	1100	EST	6P	8P	53	51		WILLIAM D MYERS	2 3 5
GRANTSVILLE	3848	CALHOUN	LITTLE KANAWHA	38 58	81 06	730	E3T	8A	8A	2	2		HOPE NATURAL GAS CO	2 3 5
HACKERS CREEK	3793	HARRISON	WEST FORK	39 08	80 28	1020	EST		5P		11		FOREST ENGELHARDT	3
HALL	3818	BARBOUR	BUCKHANNON	39 03	80 07	1375	EST		MID		8		MRS OPAL R JACKSON	3 4
HAMLIN	3848	LINCOLN	MUD	38 17	82 06	842	EST	8A	8A	5	5		W VA WATER SERVICE CO	2 3 5
HARPERS FERRY	3927	JEFFERSON	POTOMAC	39 19	77 44	400	EST		7A		59		MISS ELEANOR J WHITE	3 7
HARRISON	3935	MINERAL	POTOMAC- N BRANCH	39 22	79 12	1700	EST		8A		8		LEONARD E PAUGH	3
HASTINGS	3974	WETZEL	OHIO	39 33	80 40	809	EST		3P		12		L G MC INTYRE	3
HINTON 1	4170	SUMMERS	NEW	37 40	80 53	1431	EST	7A	7A	50	59		MRS M L MC CLUNG	2 3 5
HINTON 2	4175	SUMMERS	NEW	37 40	80 53		EST						LOCKMSTR LONDON LOCKS	7
HOGSETT GALLIPOLIS DAM LOWER	4200	MASON	OHIO	38 41	82 11	584	EST		7A		10		LOCKMASTER	3 7
HOGSETT GALLIPOLIS DAM UPPER	4201	MASON	OHIO	38 41	82 11		EST						LOCKMASTER	7
HORNER	4281	LEWIS	WEST FORK	38 59	80 22	1075	EST		4P		24		MAPLE H SUMMERS	3
HOULT LOCK 15 LOWER	4309	MARION	MONONGAHELA	39 34	80 08	882	EST		7A		26		LOCKMASTER	3 7
HOULT LOCK 15 UPPER	4310	MARION	MONONGAHELA	39 34	80 08		EST						LOCKMASTER	7
HUNDRED	4389	WETZEL	OHIO	39 41	80 27	1034	EST		MID		10		J A FURBEE	3 4
HUNTINGTON 1	4378	CABELL	OHIO	38 25	82 26	571	E8T	8P	8P	51	52		H N ROBINSON	2 3 5
HUNTINGTON 2	4383	CABELL	OHIO	38 25	82 28	800	EST		MID				U S ENGINEERS	3 4
JAEGER	4408	MC DOWELL	TUG FORK	37 28	81 49		EST		7A		1		MRS TINA L TANNER	3
KENWOOD	4470	BERKELEY	POTOMAC	39 22	78 03	589	EST	5P	5P	13	14		H W PRETTYMAN	2 3 5
KRELAND	4478	LEWIS	WEST FORK	38 49	80 28	1142	EST		7A		11		PAUL H LOUDIN	3
ISAACS CREEK	4499	HARRISON	WEST FORK	39 12	80 30	1083	EST		5P		2		MRS C A MOORE	3
LANE LEW	4559	LEWIS	WEST FORK	39 08	80 25	1020	EST		4P		24		MRS RETA GOLDSMITH	3
LESSE RUN	4819	LEWIS	WEST FORK	39 08	80 20	1080	EST		7P		1		WIRT C MYERS	3
KANAWHA FALLS	4727	FAYETTE	KANAWHA	38 07	81 08		EST						LOCKMSTR LONDON LOCKS	7
LAYFORD	4755	KANAWHA	KANAWHA	38 01	81 27	1335	EST		7A		31		TRUAX-TRAER COAL CO	3
LEARNEYSVILLE	4783	JEFFERSON	POTOMAC	39 23	77 53	548	EST	4P	4P	17	18		UNIVERSITY EXP STA	2 3 5
LERMIT	4816	MINGO	TUG	37 50	82 25	820	E8T		7A		23		ROY A DEMPSEY	3
LINGWOOD	4897	PRESTON	CHEAT	39 28	79 42	1890	EST	5P	5P	4	4		STATE ROAD COMMISSION	3

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STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
KNOBLY MOUNTAIN	4941	MINERAL	POTOMAC	39 22	79 00	1400	EST		7A		8		DAVID A ARNOLD	3
KUMBRABOW STATE FOREST	4971	RANDOLPH	TYGART	38 35	80 05	3210	EST	5P	5P	8	8		O C HAMILTON	2 3 5
LAKE FLOYD	4994	HARRISON	WEST FORK	39 17	80 30	1110	EST		6P		2		W M BENNETT	3
LAKE LYNN	5002	MONONGALIA	CHEAT	39 43	79 51	900	EST		MID		24		WEST PENN POWER CO	3 4
LAKIN	5010	MASON	OHIO	38 58	82 05	640	EST		MID				W VA AGR EXP FARM	3 4
LE SAGE-GREENBOTTOM	5055	CABELL	ORIO	38 33	82 17	550	EST	8A	8A	10	10		STATE FOREST NURSERY	2 3 5
LEWISBURG	5224	GREENBRIER	GREENBRIER	37 48	80 26	2250	EST	5P	5P	46	52		PROF R B GRAYBILL	2 3 5
LINDSIDE	5284	MONROE	NEW	37 27	80 40	2000	EST		8A		8		MRS K L BALLARD	3
LITTLE SKIN CREEK	5314	LEWIS	WEST FORK	38 58	80 25	1068	EST		8P		2		MRS ROY HAWKINS	3
LIVERPOOL	5323	JACKSON	OHIO	38 54	81 32		EST		MID				BROOKS E UTT	3 4
LOCKNEY	5341	GILMER	LITTLE KANAWHA	38 51	80 58	720	EST		MID				ROPE NATURAL GAS CO	3 4
LOGAN	5353	LOGAN	GUYANDOT	37 51	82 00	700	EST	8A	8A	21	35		J W RUFF	2 3 4 5
LONDON LOCKS LOWER	5365	KANAWHA	KANAWHA	38 12	81 22	623	EST	7A	7A	13	13		LOCKMASTER	2 3 5
LONDON LOCKS UPPER	5366	KANAWHA	KANAWHA	38 12	81 22		EST						LOCKMASTER	
MAC FARLAN	5547	RITCHIE	HUGHES	39 05	81 12	670	EST		MID				FRANK P PRIBBLE	3 4
MADISON	5563	BOONE	LITTLE COAL	38 03	81 49	675	EST	8A	8A	28	27		W VA WATER SERVICE CO	2 3 5
MAN	5800	LOGAN	GUYANDOT	37 44	81 53	729	EST		5P		6		RUSSELL E WHITE	3
MANNINGTON 1 MI N	5621	MARION	MONONGAHELA	39 33	80 21	974	EST	6P	6P	46	46		JAMES A MORGAN	2 3 5
MANNINGTON 2	5626	MARION	MONONGAHELA	39 32	80 21	980	EST		8A		2		BENJAMIN S SMITH	3
MARLINTON	5672	POCAHONTAS	GREENBRIER	38 13	80 05	2150	EST		MID				CECIL A CURRY	3 4
MARTINSBURG MUNICIPAL AIRPORT	5707	BERKELEY	POTOMAC	39 24	77 59	545	EST	MID	MID	50	56		CIVIL AERO ADM	2 3 4 5
MATHIAS	5739	HARDY	LOST RIVER	38 52	78 52	1550	EST		MID				VIRGIL L MATHIAS	3 4
MC MECHEN DAM 13	5847	MARSHALL	OHIO	39 59	80 44	655	EST		7A		32		LOCKMASTER	3
MC NEILL 2 MI NE	5855	HARDY	POTOMAC-S BRANCH	39 09	78 54	800	EST	6P	6P	14	14		R E SAVILLE	2 3 5
MIDDLEBOURNE 3 MI SE	5963	TYLER	OHIO	39 29	80 52	750	EST	7A	7A	7	7		LAWRENCE A CRUMRINE	2 3 5
MIDVALE	5984	RANDOLPH	TYGART-MIDDLE FORK	38 58	80 06	1850	EST		7A		10		MRS RUTH G DARNALL	3
MOOREFIELD	6163	HARDY	POTOMAC-S BRANCH	39 04	78 58	800	EST	6P	MID	40	40		HAROLD J DODD	2 3 4 5
MORGANTOWN MUNICIPAL AIRPORT	6202	MONONGALIA	MONONGAHELA	39 38	79 55	1245	EST	MID	MID	2	2		CIVIL AERO ADM	2 3 4 5
MORGANTOWN 1	6207	MONONGALIA	MONONGAHELA	39 38	79 57	1050	EST	6P	6P	54	72		PROF L M PEAIRS	2 3 5
MORGANTOWN LOCK 10 LOWER	6212	MONONGALIA	MONONGAHELA	39 38	79 58	826	EST	7A	7A	26	26		LOCKMASTER	2 3 5
MORGANTOWN LOCK 10 UPPER	6213	MONONGALIA	MONONGAHELA	39 38	79 58		EST						LOCKMASTER	
MOUNT CLARE	6276	HARRISON	WEST FORK	39 13	80 20	1040	EST		6P		11		MISS PAULINE HESS	3
NAOMA	6362	RALEIGH	COAL	37 52	81 30	1100	EST		MID		5		MRS SYLVIA H PETTERY	3 4
NEW CUMBERLAND DAM 9	6442	HANCOCK	OHIO	40 30	80 37	671	EST	6P	6P	53	50		C O VALENTINE	2 3 5
NEW MARTINSVILLE	6487	WETZEL	OHIO	39 39	80 52	637	EST	6P	6P	55	54		DR Z W ANKROM	2 3 5
OAK HILL	6591	FAYETTE	NEW	37 58	81 09	1950	EST	7A	7A	6	6		MILES R MARTIN	2 3 4 5
OMPS	8674	MORGAN	POTOMAC	39 30	78 17	950	EST		7A		2		MISS MARY O HOVERMALE	3
PARKERSBURG-WOOD CO AIRPORT	6849	WOOD	OHIO	39 21	81 26	837	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
PARKERSBURG WB CITY	6859	WOOD	OHIO	39 16	81 34	615	EST	7A	7A	59	63		U S WEATHER BUREAU	2 3 4 5 7
PARSONS	6867	TUCKER	CHEAT	39 06	79 40	1649	EST	5P	5P	49	49		D A OLIVER	2 3 5
PAW PAW	6876	MORGAN	POTOMAC	39 32	78 28		EST						MISS LILLIAN E HESSER	3
PETERSBURG WB CITY	6954	GRANT	POTOMAC-S BRANCH	39 00	79 07	1013	EST	MID	MID	9	9		U S WEATHER BUREAU	2 3 4 5
PHILIPPI	6982	BARBOUR	TYGART	39 04	80 03	1300	EST		7A		55		MRS HELEN M LEACH	3
PICKENS 2	6996	RANDOLPH	BUCKHANNON	38 39	80 13	2701	EST		7A		8		MRS ELSIE M ARMSTRONG	3
PIEDMONT	7004	MINERAL	NORTH BRANCH	39 29	79 02	1053	EST	5P	5P	34	33		C A SUTER JR	2 3 5
PINEVILLE	7029	WYOMING	GUYANDOT	37 35	81 32	1350	EST	7A	7A	5	5		WALTER C BYRD	2 3 5
POINT PLEASANT	7105	MASON	OHIO	38 51	82 08	540	EST	4P	7A	54	58		E C WINGER	2 3 5
POLK CREEK	7115	LEWIS	WEST FORK	39 03	80 34	1074	EST		5P		2		HOWARD CUNNINGHAM	3
PRINCETON	7207	MERCER	BLUESTONE	37 22	81 05	2410	EST		7A		18		W VA WATER SERVICE CO	3
RAINELLE 1	7306	GREENBRIER	GAULEY	37 55	80 51	2424	EST	6P	6P	17	17		L G SWING	2 3 5
RAINELLE 2	7311	GREENBRIER	GAULEY	37 55	80 51		EST		7A				BLUFORD L WHISMON	3
RAVENSWOOD DAM 22 LOWER	7352	JACKSON	ORIO	38 57	81 45	584	EST	4P	8A	25	33		LOCKMASTER	2 3 5
RAVENSWOOD DAM 22 UPPER	7353	JACKSON	OHIO	38 57	81 45		EST						LOCKMASTER	
RENICK	7444	GREENBRIER	GREENBRIER	38 00	80 21	1950	EST		7A		32		MARY V MC FERRIN	3
RICHWOOD	7502	NICHOLAS	GAULEY	38 14	80 32	2193	EST	8A	8A	17	17		VIANIS S STOCKWELL	2 3 5
RIGHT FORK OF STONECOAL CREEK	7536	LEWIS	WEST FORK	38 54	80 26	1086	EST		3P		2		CREED R SUMMERS	3
RIPLEY	7552	JACKSON	OHIO	38 49	81 43	610	EST	4P	4P	2	2		R B PARSONS	2 3 5
ROANOKE	7598	LEWIS	WEST FORK	38 56	80 29	1050	EST		4P		24		MISS MARY A CONRAD	3
ROCKFORD	7658	HARRISON	WEST FORK	39 08	80 20	1035	EST		6P		11		CREED FOGG	3
ROHRBOUGH	7718	LEWIS	WEST FORK	38 59	80 30	1036	EST		4P		2		MISS ELAINE CUTRIGHT	3
ROMNEY	7730	HAMPSHIRE	POTOMAC-S BRANCH	39 21	78 45	824	EST	5P	5P	47	46		MARION W HAINES	2 3 5
ROWLESBURG 1	7785	PRESTON	CHEAT	39 21	79 40	1375	EST	7A	7A	6	63		WALTER H BOLYARD	2 3 5
ROWLESBURG 2	7790	PRESTON	CHEAT	39 21	79 40	1375	EST		6A				LAKE LYNN OPERATOR	3
SALEM	7883	HARRISON	WEST FORK	39 17	80 34	1047	EST	6P	6P	2	10		MISS LOIS M JONES	2 3 5
SAND FORK	7901	LEWIS	WEST FORK	38 54	80 25	1088	EST		5P		2		MRS J E WEIDLICH	3
SENECA STATE FOREST	8051	POCAHONTAS	GREENBRIER	38 18	79 56	2650	EST	5P	5P	7	7		FOREST CUSTODIAN	3
SHADY SPRINGS	8083	RALEIGH	NEW	37 42	81 03	2750	EST	5P	5P	7	7		C T KESSINGER	2 3 5
SHINNSTON	8145	HARRISON	WEST FORK	39 23	80 18	910	EST		6P		10		MRS HARDIN R HARMER	3
SMITHBURG	8274	DODDRIDGE	HUGHES	39 17	80 44	769	EST		MID		7		CHARLES F LOGSDON	3 4
SPENCER	8384	ROANE	LITTLE KANAWHA	38 48	81 21	789	EST	8A	8A	48	49		A M MC KOWN	2 3 5
SPRINGFIELD	8409	HAMPSHIRE	POTOMAC-S BRANCH	39 26	78 43	700	EST		7A		8		HARRY L GRACE	3 4
SPRUCE KNOB	8432	PENDLETON	POTOMAC-S BRANCH	38 42	79 32	4550	EST		7A		16		MOSES R BENNETT	3
STONY RIVER DAM	8536	GRANT	POTOMAC-S BRANCH	39 08	79 18	3300	EST	8A	8A		28		FRED BECKER	2 3 5
SUGARCAMP RUN	8580	LEWIS	WEST FORK	38 50	80 25	1180	EST		[illegible]		2		MRS BESSIE GREINER	3
SUMMERSVILLE	8808	NICHOLAS	GAULEY	38 17	80 51	1900	EST	8A	8A	12	12		ALLEN E DORSEY	2 3 4 5
SUTTON	8652	BRAXTON	ELK	38 40	80 42	900	EST	4P	4P	45	45		C B EAKLE	2 3 5
SUTTON 1 MI E	8857	BRAXTON	ELK	38 40	80 42	900	EST	MID					W E DUNCAN	3 4
SYCAMORE CREEK	8699	HARRISON	WEST FORK	38 14	80 25	1000	EST		6P		3		MRS GAY DAVISSON	3
TERRA ALTA 1	8777	PRESTON	CHEAT	39 27	79 31	2559	EST	6P	6P	47	37		ROPEMONT SANATARIUM	2 3 5
TERRA ALTA 2	8782	PRESTON	CHEAT	39 27	79 32	2620	EST		MID		10		B F MC CONNELL	3 4
THOMAS	8807	TUCKER	CHEAT	39 09	79 30	3000	EST		7A		19		WILLIAM SLEEMAN	3
TRIBBLE	8924	MASON	KANAWHA	38 41	81 50	630	EST		MID				NORMA RUTH CASTO	3 4
TYGART DAM	8986	TAYLOR	TYGART	39 19	80 02	1200	EST		MID		10		FRED E FLOYD	3 4
UNION	9011	MONROE	GREENBRIER	37 36	80 32	2200	EST	7A	7A	44	43		MRS THELMA F SPANGLER	2 3 4 5
UPPER DAVISSON RUN	9036	HARRISON	WEST FORK	39 18	80 26	1084	EST		5P		2		MRS A VANSCOY	3
UPPER SYCAMORE CREEK	9044	HARRISON	WEST FORK	39 14	80 27	1074	EST		7A		1		O A POST	3
VALLEY CHAPEL	9072	LEWIS	WEST FORK	39 06	80 24	1011	EST	4P	4P	24	24		ROSCOE R JACKSON	2 3 5

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STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION			YEARS OF RECORD			OBSERVER	REFER TO TABLES
							ZONE	TEMP.	PRECIP.	TEMP.	PRECIP.	EVAP.		
VALLEY HEAD	9086	RANDOLPH	TYGART	38 33	80 02	2425	EST		MID		10		KENT SWECKER	3 4
VANDALIA	9104	LEWIS	WEST FORK	38 56	80 24	1120	EST		8P		24		MISS MARY LEE HORNOR	3
VIENNA-BRISCOE	9168	WOOD	OHIO	39 21	81 32	634	EST	5P	5P	1	8		G J DICKEY	2 3 5
WARDENSVILLE R M FARM	9281	HARDY	CACAPON	39 08	78 34	1200	EST	9A	9A	30	29	8	UNIVERSITY EXP STA	2 3 5 6
WASHINGTON DAM 19	9309	WOOD	OHIO	39 18	81 42	600	EST		7A		31		LOCKMASTER	3
WAYNE	9321	WAYNE	TWELVEPOLE CREEK	38 13	82 26	598	EST		7A		23		MRS B F FERGUSON	3 7
WEBSTER SPRINGS	9333	WEBSTER	ELK	38 29	80 25	1560	EST	8P	6P	13	14		ROSCOE GREGORY	2 3 4 5
WELLSBURG 3 MI NE	9368	BROOKE	OHIO	40 19	80 35	868	EST	8P	8P	48	55		GEORGE P PFISTER	2 3 5
WEST MILFORD	9428	HARRISON	WEST FORK	39 12	80 24	979	EST		4P		22		SCOTLAND G HIGHLAND	3
WESTON	9436	LEWIS	WEST FORK	39 02	80 28	1026	EST	7A	7A	25	57		J ARTHUR HENRY	2 3 5 7
WHEELING-OHIO COUNTY AIRPORT	9487	OHIO	OHIO	40 11	80 38	1190	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
WHEELING WARWOOD DAM 12 LOWER	9492	OHIO	OHIO	40 06	80 42	859	EST	8A	8A	40	84		LOCKMASTER	2 3 5 7
WHEELING WARWOOD DAM 12 UPPER	9493	OHIO	OHIO	40 06	80 42		EST						LOCKMASTER	7
WHITE SULPHUR SPRINGS	9522	GREENBRIER	GREENBRIER	37 48	80 18	1914	EST	5P	5P	35	34		GREENBRIER HOTEL	2 3 5
WILLIAMSON	9605	MINGO	TUG FORK	37 40	82 17	673	EST	8A	8A	46	47		NORFOLK & WESTERN RWY	2 3 5
WINFIELD LOCKS	9683	PUTNAM	KANAWHA	38 32	81 52	571	EST	7A	7A	10	10		LOCKMASTER	2 3 5
YAWKEY	9805	LINCOLN	MUD	38 14	81 58		EST		MID				EMMETT W VALENTINE	3 4

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late for inclusion in this issue.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Data in Tables 3, 5 and 6 are for the 24-hours ending at time of observation. See the Station Index for observation time.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F., precipitation and evaporation in inches, river stages in feet, and wind movement in miles.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with windshield.
- 8 No recording gage, precipitation is measured at 6-hourly intervals.
- m One or more days of record missing; see Table 5 for detailed daily record.
- r Station equipped with recording gage only. All amounts in Table 3 are from the non-recording gages, except for stations with this reference.
- x Daily precipitation totals in Table 3 are for the 24-hours ending at 1:30 A.M., E.S.T., of the following day.
- z Hourly amounts from the recording gage at the same site may be found in Table 4.
- T Trace, an amount too small to measure.

When hourly precipitation is accumulated over a period of 3 or more calendar days, with unknown hourly or daily distribution, the first and last days are shown in Table 4.

When hourly precipitation is missing for several days, only the first and last days are shown in Table 4.

Data in Table 4 were formerly published in the Hydrologic Bulletins for North Atlantic District and Ohio River District. Amounts in this table are from recording gages. Traces are not shown.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary. Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, Federal Building, Albany 1, N.Y.)

W. B. O., Washington, D. C., -12-2-48- --975--

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U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

APR 4 1949
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

WEST VIRGINIA

OCTOBER 1948
Volume LVI No. 10

WASHINGTON: 1949

WEST VIRGINIA - OCTOBER 1948

Victor T. Horn, Section Director - Parkersburg

GENERAL SUMMARY

A polar air mass reduced temperatures in West Virginia ten degrees or more during the period 4-6th. Further invasions of cold air masses from Canada kept thermometer readings low until the final few days of the month when temperatures were able to get a little above normal. The average temperature was 51.5° which was 3.2° below normal. Hard freezing weather was general on the 19th effectually ending the 1948 crop season. The coldest periods during the month were the 4-6th and the 18th-21st. There were a few days that were slightly above normal but there was no real warm period. According to available degree-day data, fuel requirements for household heating were probably from 25 to 35 percent above normal.

The State average precipitation of 2.38 inches was 0.44 inch below normal. Most of it fell during the first 17 days of the month and only light scattering amounts occurred thereafter. Snowfall averaged a trace and, outside of the two inches reported at Beckley, practically all of it was recorded at mountain stations. No severe local storms were reported. One unusual occurrence was that in many places snow fell before the first frost.

From the viewpoint of the farmers and also the construction workers, October was a reasonably good month. Outdoor activities were unhindered by the weather except for a very few days. The first three weeks were wet, causing some hurt to the buckwheat harvest, while the final ten days were dry permitting a general clean-up of the harvest. Considerable corn was cribbed; practically all the wheat was seeded; and apple picking was completed by the close of the month. A general hard freeze on the 19th did little damage as tender crops had been harvested. Grass stayed green all month and pastures furnished ample feed. Cool weather after the 18th retarded growth of most hardy vegetation although grasses and winter grains made progress even in the last decade. --- C.L.W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 73 stations, was 51.5°, or 3.2° below the normal. The mean for the northeastern panhandle division was 51.4°; for the northern division, 51.1°; and for the southern division, 51.7°. The highest monthly mean was 54.9° at Williamson; and the lowest, 45.7° at Cranberry Glades. The highest temperature was 83° at Williamson on the 3rd; and the lowest, 14° at Bartow and Kumbrabow State Forest on the 19th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 87 stations, was 2.38 inches, or 0.44 inch below the normal. In the northeastern panhandle division, the average was 3.77 inches; in the northern division, 2.31 inches; and in the southern division, 2.05 inches. The greatest monthly precipitation was 5.11 inches at Kearneysville, and the least 1.28 inches at Brownsville. The greatest amount in any observational day was 2.06 inches at Martinsburg on the 5th. The average number of days with 0.01 inch or more of precipitation was 10.

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages -- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

STATIONS	SEA LEVEL PRESSURE EXTREMES—INCHES				WIND				RELATIVE HUMIDITY AVERAGES				SUN-SHINE	DEGREE DAYS 65° BASE
	HIGHEST	DATE	LOWEST	DATE	AVERAGE SPEED M.P.H.	MAXIMUM SPEED M.P.H.	DIRECTION	DATE	1:30A EST	7:30A EST	1:30P EST	7:30P EST	AVERAGE PERCENT	
ELKINS WB CITY	30.50	21	29.69	8	5.4	24	SW	8	89	92	54	77	43	512
PARKERSBURG WB CITY	30.41	21	29.71	8	5.4	17	NW	19	-	-	-	-	44	390

TABLE 1
COMPARATIVE DATA

YEAR	TEMPERATURE			PRECIPITATION			YEAR	TEMPERATURE			PRECIPITATION		
	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 OR MORE		MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 OR MORE
1891	51.5	95	21	1.97		7	1922	55.4	93	18	2.45	T	6
1892	52.6	89	24	.83		4	1923	52.1	93	12	1.39	T	6
1893	54.1	86	16	4.74		5	1924	54.6	87	14	.40	T	2
1894	54.4	88	22	2.32	T	7	1925	49.3	86	14	7.30	4.3	16
1895	48.1	89	8	1.29	T	5	1926	54.9	92	20	4.79	0.3	12
1896	51.0	82	20	2.08	T	7	1927	57.0	100	21	4.13	0.4	8
1897	58.2	95	22	.53	0.0	3	1928	56.7	94	12	1.98	0.1	7
1898	55.6	95	19	4.84	T	11	1929	52.6	89	21	6.17	0.1	1
1899	56.8	91	19	1.42	0.0	5	1930	50.5	94	8	.96	0.2	6
1900	60.9	97	24	2.33	0.0	5	1931	57.0	98	18	1.66	T	8
1901	54.3	86	19	.54	0.0	3	1932	54.9	90	22	3.91	0.1	9
1902	56.5	87	17	2.63	T	6	1933	53.6	91	13	1.67	T	6
1903	54.2	96	15	2.55	T	6	1934	54.4	86	14	1.01	0.1	4
1904	54.5	92	16	1.59	T	5	1935	54.7	90	15	3.01	0.2	9
1905	54.2	95	19	4.71	T	6	1936	56.5	89	12	3.89	T	11
1906	54.5	86	12	3.09	1.3	12	1937	51.6	91	11	6.99	1.2	16
1907	50.3	87	19	2.65	0.1	7	1938	55.0	92	15	.89	T	4
1908	55.1	91	16	1.60	T	5	1939	55.9	92	14	3.24	0.1	8
1909	50.0	88	14	2.79	0.1	7	1940	54.3	88	18	1.80	0.4	8
1910	58.1	95	15	1.85	0.7	6	1941	59.6	99	17	2.89	0.0	12
1911	56.3	88	23	5.28	0.0	11	1942	55.8	87	11	4.04	T	10
1912	55.5	93	20	1.34	T	4	1943	52.4	89	19	2.26	0.1	8
1913	54.5	92	12	4.50	0.3	11	1944	53.7	88	15	4.07	T	10
1914	57.3	91	14	2.94	T	9	1945	53.1	95	15	1.65	T	6
1915	56.6	89	20	4.11	T	6	1946	57.2	92	20	2.67	T	7
1916	54.1	97	16	2.38	T	7	1947	60.6	92	14	1.48	0.0	7
1917	49.2	89	16	4.35	5.5	10	1948	51.5	85	14	2.38	T	10
1918	58.2	89	24	3.68	T	8							
1919	62.3	102	28	5.84	0.0	14	Period	54.8	102	8	2.83	0.3	8
1920	57.5	90	21	1.15	0.1	4							
1921	53.7	88	21	2.48	0.1	8							

Table 2

CLIMATOLOGICAL DATA

Station	Temperature						No. of Days		Precipitation				Snow, Sleet, Hail			No. of Days		
	Average	Departure from Normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from Normal	Greatest Day	Date	Total	Max. Depth on Ground	Date	.01 or more	.25 or more	1.00 or more
NORTHEASTERN PANHANDLE DIVISION																		
BAYARD	46.3	- 2.9	72	16	17	21		14	2.86	- .40	1.09	5	1.5	T	18	11	3	1
KEARNEYSVILLE	53.3	- 1.6	80	1	26	19+		4	5.11	1.85	1.55	5				9	6	2
MARTINSBURG MUNICIPAL AIRPORT	52.1	- 2.6	76	1+	25	19		4	4.89	1.82	2.06	5				10	6	1
MC NEILL 2 NE	51.9	- 2.2	80	2+	19	19		13	3.46	1.15	1.49	5				8	3	1
MOOREFIELD	53.3		81	10+	24	19		7	3.18		1.35	6				9	4	1
PETERSBURG WB CITY	51.9		81	17	23	19		10	2.91		1.55	5				11	3	1
PIEDMONT					24	19		3	2.80	.15	.94	8				9	4	
ROMNEY	51.9	- 3.0	80	17	21	19		9	3.81	1.26	1.35	5		T		19	4	2
WARDENSVILLE R M FARM	50.1	- 2.5	78	1	22	19		12	4.92	1.76	1.97	6		T		11	6	1
DIVISION	51.4								3.77									
NORTHERN DIVISION																		
BENSON	52.8	- 0.1	79	2+	21	19		13	1.71	- 1.85	.84	18				8	2	
BENS RUN	53.0	- 3.6	80	2	30	18+		5	3.01	- .01	1.15	17				12	4	1
BRANDONVILLE	48.3		74	17	20	19		13	3.11	- .81	.91	18				10	4	
BROWNSVILLE	51.8	- 2.8	80	16	21	19+		12	1.28	- 2.14	.48	18				8	2	
BUCKHANNON	50.1	- 3.7	76	2+	20	19		12	1.73	- 1.41	.50	18	T			9	3	
CAIRO 3 S	51.3	- 4.5	78	16	22	19		9	1.38	- 1.54	.41	31				9	2	
CANAAN VALLEY	45.8		69	16	16	21		10	3.30		1.24	5				12	3	1
CLARKSBURG NO 1	50.2		76	1	23	19		11	1.52		1.00	18				8	1	1
ELKINS WB AIRPORT	48.6	- 2.5	76	16	21	19+		13	2.75	- .16	.59	8	0.8			12	4	
FAIRMONT	51.6	- 3.5	79	2+	24	19		8	2.17	- .94	1.30	17				7	2	1
GLENVILLE NO 1	51.8	- 4.4	79	16	23	19		8	1.46	- 1.75	.96	18				12	1	
GRAFTON	49.6	- 5.6	76	2+	20	27		11	2.00	- .96	.59	8				8	3	
GRANTSVILLE	53.0		82	17	24	19		8	1.61		1.05	18				7	1	1
HASTINGS	50.1		75	2+	19	19		10	2.46	- .85	.75	18	T			13	4	
KUMBRABOW STATE FOREST	46.5		71	30	14	19		14	2.65		.82	8				13	4	
MANNINGTON 1 N	51.9	- 1.7	79	2+	20	19		10	2.18	- .99	.72	17				13	3	
MIDDLEBOURNE 2 ESE	51.6m		80	17	23	19		9	2.61		1.52	18				6	3	1
MORGANTOWN MUNICIPAL AIRPORT	50.7		76	2	25	21		7	2.44		1.24	17	T			13	2	1
MORGANTOWN NO 1	52.5	- 2.7	77	16	28	21		2	2.47	- .68	1.02	17				12	2	1
MORGANTOWN LOCK 10	53.9		79	3+	26	19		3	2.92	- .25	1.29	18				12	2	1
NEW CUMBERLAND DAM 9			78	16	28	19		3	3.40	.68	1.24	17				11	4	1
NEW MARTINSVILLE	52.6	- 4.2	81	2	23	19		4	2.74	- .38	1.17	17				8	4	1
PARKERSBURG WOOD CO AIRPORT	51.4		78	16	27	19		5	2.56		1.26	17				9	3	1
PARKERSBURG WB CITY	52.4	- 3.7	79	16	29	19		5	2.29	- .19	1.14	17				10	2	1
PARSONS	50.7	- 0.8	76	16	20	19		10	2.27	- 1.00	.90	8	T			14	3	
ROWLESBURG NO 1	52.0		79	1	27	19		8	1.83	- 2.52	.52	18	T	T	18	7	4	
SALEM	50.5m		78	2	21	19		13	1.97		1.02	17				4	2	1
VALLEY CHAPEL	53.7	- 1.7	81	1	22	19		7	1.51	- 1.90	.89	18				9	1	
VIENNA BRISCOE	53.4		78	4+	26	19		5	1.95		1.26	18				9	2	1
WELLSBURG 3 NE	50.6	- 2.9	77	16	24	19+		10	3.28	.56	1.25	17				9	4	1
WESTON	52.4	- 3.1	80	1+	24	19+		9	1.75	- 1.06	.84	18				10	1	
WHEELING OHIO CO AIRPORT	49.6		75	2+	26	21		6	3.02		1.42	17				11	3	1
WHEELING WARWOOD DAM	51.8	- 3.1	77	3	30	19		2	2.96	,23	1.40	18				13	3	1
DIVISION	51.1								2.31									
SOUTHERN DIVISION																		
ATHENS	50.7		73	10+	27	27		8	1.62		.86	5	T	T	18	5	2	
BARTOW					14	19			2.33	- .99	.73	5				7	4	
BECKLEY V A HOSPITAL	49.4	- 5.0	74	30	20	19		11	2.68	- .30	.88	5	1.5	2.0	18	7	3	
BLUEFIELD NO 1	53.1	- 2.6	73	1+	26	19		5	1.68	- 1.09	.78	5				5	2	
BLUESTONE DAM	53.4		81	1+	28	19+		6	1.90		.76	8	T			5	3	
CABWAYLINGO STATE FARM	52.8 m				21	19		11	1.89							6		
CHARLESTON NO 1	54.1	- 4.8	80	17	27	19		4	1.45	- 1.59	1.10	18				7	1	1
COALWOOD	53.8		79	16	21	19		8	2.01		.89	18				6	3	
CRANBERRY GLADES	45.7		70	30	15	21		16	3.90		1.10	18				11	5	2
FLAT TOP	47.3	- 5.2	71	16	20	21		9	2.05	- .22	.88	5	1.4	T	18	7	3	
GARY	52.1m	- 3.5	81	1	23	19+		8	1.81	- 1.09	.65	18	T			6	3	
HAMLIN	51.1m		82	17	20	19+		11	1.50		1.20	18				5	1	1
HINTON NO 1	53.9	- 3.1	81	1+	29	20+		6	1.63	- 1.20	.61	4				6	2	
HUNTINGTON NO 1	54.7	- 1.7	82	16	29	19		4	2.30	- .22	1.12	17				6	3	1
LE SAGE GREENBOTTOM	51.9m				27	19			1.87		1.44	18				5	1	1
LEWISBURG	51.2m	- 0.2	77	17	18	19		9	1.80	- 1.20	.74	5				6	3	
LOGAN	54.7	- 5.4	82	17	28	18		4	1.55	- 1.50	1.05	17	T			5	1	1
LONDON LOCKS	54.4m	- 4.5	80	1	29	19+		3	1.75	- 1.17	.96	18				6	3	
MADISON	54.0	- 1.6	81	3+	24	19		7	1.38	- 1.25	1.25	18				2	1	1
OAK HILL	49.1		76	1	20	19		9	2.31		.70	6				7	4	
PINEVILLE	50.9m		80	1	19	20		15	2.40		.85	18	T			5	4	
POINT PLEASANT	54.2	- 3.0	79	16	29	21		4	2.19	- .62	1.37	18				10	2	1
RAINELLE NO 1	48.8m	- 2.2			16	19		12	3.95	1.34			1.0			11		
RAVENSWOOD DAM 22	52.5	- 3.8	80	16	23	26		8	1.67	- 1.12	1.32	18				8	1	1
RIPLEY	51.2m		82	15	22	19		12	2.38							10		
SHADY SPRINGS	47.6		72	2+	16	19		14	2.19		.72	5		1.0	18	6	3	
SPENCER	51.1	- 3.8	80	17	24	19+		10	2.08	- 1.08	.93	18				8	3	
SUMMERSVILLE	46.6		78	16	15	18		18	2.01	- 1.38	.51	17				5	5	
SUTTON	53.3	- 3.4	80	16+	24	19		11	1.72	- 1.27	.70	18				7	3	
UNION	49.0	- 5.4	78	17	17	19		16	2.11	- .62	.88	5	T			8	3	
WEBSTER SPRINGS	52.8		77	18+	23	19		7	2.00		.55	8				8	3	
WHITE SULPHUR SPRINGS	52.8	0.2	77	2	19	19		13	2.35	- .48	.92	5				6	4	
WILLIAMSON	54.9	- 2.9	83	3	27	19+		9	1.98	- .81	1.10	17				7	2	1
WINFIELD LOCKS	53.8		80	17	29	19+		6	1.48	- .27	1.17	18				6	1	1
DIVISION	51.7								2.05									
STATE	51.5	- 3.2							2.38	- .44			T			10		

See reference notes following Station Index

Station	Day of Month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERDEEN	.07			.04	.08			.47			.06			.16			.12	.80		T				T						T	1.80
ALPENA					.26			1.28			.26	T	.06						.16											2.00
ARBOVALE			.35		.67			.60	T		T	.25		.10			T	.40												T	2.37
ARNOLD					T	.10	.20				.16							.90					.05								1.41
ATHENS				T	.86			.56	T		.10							.04						.06							1.62
BARTOW				.40	.73			.47			.07	.15		.06				.45													2.33
BAYARD	.08	T	.11		1.09	.03		.85	.03		.05	.02	.08	.06			T	.46												T	2.86
BECKLEY V A HOSPITAL				.03	.88			.70			.09	.24						.67					T	.07							2.68
BELINGTON	.02		.21		.06	.10		.55	.18			.15		.28				.67													2.22
BELLEVILLE DAM 20	.15				.06			.20	.11	T	.02	.08	T	.03			T	1.45		.03				.03							2.16
BENSON	.12			.16	.02			.15			.07			.10			.25	.84													1.71
BENS RUN	.03			.02	.11		.15	.18			.22		.04				1.15	.29					.06	.50						.26	3.01
BERKELEY SPRINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-				.12							-
BERLIN	.09				.09	.08	.11	.37			-		-	-			*	.86													-
BIG SKIN CREEK	.03				.05			.35						.16			.20	.50	.10					.01							1.40
BLUEFIELD NO 1					.78			.65			.08							.11						.06							1.68
BLUEFIELD NO 2					.66	.02		.68			.08							.48						.10							2.12
BLUESTONE DAM				.21	.62	T		.76			.06	T						.25						T						.10	1.90
BRANCHLAND					.03		.01											1.27					.08								1.39
BRANDONVILLE	.21				.13	.24	.08	.54	.38				.14	.39				.91		.09											3.11
BROWNSVILLE	.05							.20			.10			.11			.31	.48		.02										.01	1.28
BRUSHY FORK	.09			.18	.06			.44	T				.04	.10			.10	.72							T						1.73
BRUSHY RUN				.05	.53	1.28	.03	.47	T		T	.14	.03	.16				.40						T							3.09
BUCKHANNON	.03			T	.10		T	.43			.10		.02	.14	T		.34	.50		T				T		T				.07	1.73
CABWAYLINGO STATE FRST					.10						.12						*	1.26					.17							.24	1.89
CAIRO 3 S				.08	.09			.15			.16			.03			.01	.40				T	T	.05						.41	1.38
CAMDEN-ON-GAULEY				.14	.21	.02		.40	.06		.07	.28	.03	.02				.52													1.75
CANAAN VALLEY	.02	.08			1.24	.12		.97			.08	.14	.08	.22			.03	.28												.04	3.30
CHARLESTON-KANAWHA CO AP	.08		T	T	.18		.02	T			.05	T		T			.72	.28					.04	T						.58	1.95
CHARLESTON NO 1	.07				.16	.01		.02			T	.06	T	T				1.10						.03							1.45
CLARKSBURG NO 1 z	.05		.03			.07		.21	.04			.04		.08			T	1.00													1.52
CLARKSBURG NO 2	.05	T	.20	.03	.05			.24			.05	T	.14	.01			.69	.41												.13	2.00
CLAY NO 2 r				.04	.24		.17	.01			.21						.76						.06							.43	1.92
COALWOOD				T	.58		T	.28			.13	.02					T	.89						.11							2.01
COBURN CREEK	.10							.14	.06		.25						.77	.14												.13	1.59
CRANBERRY GLADES				.43	.60	.06	.02	1.05	.01		.10	.23		.02			.28	1.10													3.90
CRAWFORD	.02			.02	.07			.40			.06		.04	.02			.34	.46					.07	.05						.15	1.70
CRESTON	.10			.16	.14			.18	.05		T	.14	.03	.01			T	1.25						.10							2.16
DAILEY	.06	T	.12	.02	.07	.08	T	.82	.11	T	T	.02	.03	.18				.54		.02		T									2.07
DAVIS r		.04	.04		1.14	.02	.20	.55			.10	.01	.41				.20		.41	.01										.16	3.29
DAVISSON RUN	.05			.12	.18		.32				.05	.01	.06	.05				.67	.49		.07									.20	2.27
DUCK CREEK	T			.13	.10			.15	.16				.01	.11				.98													1.64
ELK		.20			.30									.10		.25	.30								.15						1.30
ELKINS WB AIRPORT z	T	.51	T	.03	.26	T	.23	.59	T		.12	.05	.18				.48	.05	.03			T								.22	2.75
FAIRMONT	T				.16		.10	.13		T	.10		.03				1.30	T												.35	2.17
FINK RUN				.02	.09			.48			.11	.02	.03	.14			.33	.51												.10	1.83
FLAT TOP z				.07	.88			.62			.14						.05	.28					.01								2.05
FRANKLIN z			.10		1.80			.52			.10		.11				.39	.08	.04											.10	3.24
FREEMANSBURG r	.03				.05		.06	.07					.13	.05			.95	.01												.37	1.72
GARY z				.04	.56			.46	T		.05							.65						.05	T						1.81
GLENVILLE NO 1	.08		.02	.02	.10	.04		.05	.05			.02	.01	.03				.96		T				.08							1.46
GLENVILLE NO 2	.08		.02	.02	.10	.04		.05	.05			.02	.01	.03				.96		T				.08							1.46
GRAFTON	.06	.03			.14			.59			T		.06				.56	.43												.13	2.00
GRANTSVILLE	.08	.01			.17			.17									.05	1.05					.08								1.61
HACKERS CREEK				.20				.88						.18			.66													.20	2.12
HALL z	.07			.06	.03	.05		.42	.07			.07	.03	.21				.82		T											1.83
HAMLIN					.11			.04			T	.05						1.20						.10							1.50
HARPERS FERRY					.30	3.20	.03	.20	.48		.05	T		.30				.90						.20							5.66
HARRISON	.02			.27	.95	.01	.93	.15		.02	.03	.01	.14	.01			*	.26		.04		.02									2.86
HASTINGS	.06	.12		.02	.06		.38	.05		.25		.02	.02				.65	.75		.04										.04	2.46
HINTON NO 1			.20	.61				.60			.05	.02						.15													1.63
HOGSETT GALLIPOLIS DAM L	T				.08	.02		.25	T		T		.05				T	1.40						.16							1.96
HORNER	.03				.08			.39			.05		T	.16			.04	.46				.32								.04	1.57
HOULT LOCK 15 L	.08	T	.02			.14		.17	.12	T	T	.07		.04			T	1.42		.02											2.08
HUNDRED r					.03		.16	.11		.05	.15		.10				1.32		.02											.12	2.06
HUNTINGTON NO 1				T			T	.23			.02	T					1.12	.38				T	.11							.44	2.30
HUNTINGTON NO 2 // r					T		.21	.09			T						1.46						.11							.74	2.61
IAEGER					.48			.50			.08	.15						.96						.12								2.29
ISAACS CREEK			.16	.12	.05		.15				.09	.03				.13	1.00			.05										.15	1.93
JANE LEW	.08			.22	.03			.27			.01		T	.16			.22	.67		.01										T	1.67
JESSE RUN	.05			.03	.17						.32		.15				.50	.37												.11	1.70
KAYFORD				*	*			*	*		*	*	*	*				1.95					.15								2.10
KEARNEYSVILLE					1.55	.90		.72			.03	.33		.15			.02	1.16						.25							5.11
KERMIT					.03							.31						1.15						.09							1.58
KINGWOOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-		T											-
KNOBLY MOUNTAIN					.52	1.04	.10	.82	.08			T		.24				.47						.08							3.35
KUMBRABOW STATE FOREST			.02	.18	.23			.82	.04		.06	.26	.26	.08			.04	.59				.02								.05	2.65
LAKE FLOYD	.06			.05	.03			.13			.20	T	T				.80	.45												.18	1.90
LAKE LYNN z	.12	.02				.15	.01	.24	.14	.05		.05		.26	.01			1.20		.03												2.28
LAKIN r					.03		.21	.27			.05						1.20						.05							.48	2.29
LE SAGE-GREENBOTTOM					.09			.17				.02						1.44							.15						1.87
LEWISBURG			.04	.07	.74			.52			T	.09						.34													1.80
LINDSIDE					.87			.30			.12							.45													1.74
LITTLE SKIN CREEK	.04			.03	.09			.35			.07		.03	.11			.35	.48		T				.03						.15	1.73
LIVERPOOL r					.11		.12	.10			.16						1.18	.02					.05							.44	2.18
LOCKNEY r				.05	.11		.02										.91	.01					.05							.42	1.57
LOGAN z			T	T	.14	T		.03			T	.24						1.05						.09							1.55
LONDON LOCKS L				T	.28	T		.27	T		T	.14	.03	T				.96						.09	T						1.75
MAC FARLAN r				.18	.10		.24	.09			.18						1.13													*	-
MADISON								T										1.25						.13							1.38
MAN											.76							.92												.28	1.96
MANNINGTON 1 N	.08	.01	.02		.12			.12		.33	.13		.01	.05			.72	.51		.03										.05	2.18
MANNINGTON NO 2	.09	T	.03			.14		.14		.02	T	.11		.05			.05	1.15		.06											1.84
MARLINTON r			.22	.12	.62		.13	.60			.19						.19	.01												.17	2.25
MARTINSBURG MUNIC AP z					2.06	.37		.55			.36		.18				.65	.56	T			T	.09	.01						.04	4.89
MATHIAS r					2.24	.05	.01	.42			.09		.20				.48	.24						.05						.17	3.95
MC MECHEN DAM 13 L	.12				.04	.03		.44	.39	.05	.12	.10	.05	.02			.04	1.48		.02											2.90
MC NEILL 2 NE	.07				1.49	.23	T	.56			T	.20		.07			T	.80						.04							3.46
MIDDLEBOURNE 2 ESE	.34	T			.19	T		.31	.04	T		.21		T			T	1.52		T											2.61
MIDVALE	.03			.12	.05	.12		.52	.11			.16		.15				.64	T	T				.03							1.95
MOOREFIELD z	.05				.25	1.35	.02	.41	.10		T	.15	.15					.70						T							3.18
MORGANTOWN MUNIC AP	.09		T		.16	.01	.01	.31		.04	.12	.06	.15	T			1.24	.03	.03											.15	2.44
MORGANTOWN NO 1	.11				.29	.04		.18	.02		.18		.20	.03			1.02	.20	.03											.18	2.47
MORGANTOWN LOCK 10 L	.12				.02	.21		.21	.10	.05		.13	.03	.12			.61	1.29		.03										T	2.92
MOUNT CLARE				.10	.07			.30	.11								.54	.45												.40	1.97
NEW CUMBERLAND DAM 9	.09		T		.15	T		.68		.50	.08	T	.08	T	T	.05	1.24	.29	.11											.13	3.40
NEW MARTINSVILLE	.05	T		T	T			.65		T	.24		.02	T			1.17	.25		.10			T							.26	2.74
OAK HILL z						.7		.30			.04	.22						.53						.24							.28	2.31
OMPS					.15	1.9	.10	.32	.40			.20		.10				2.00						.12								5.33
PARKERSBURG WOOD CO AP	T			.20	.15		.11	.36		T	.05	T	.01			T	1.26		T			T	.06							.36	2.56
PARKERSBURG WB CITY z	T			.05	.11		.12	.19			.08	.06	.05			T	1.14		T			T	.06							.43	2.29
PARSONS	.03	.03	.01		.36	.02	T	.90	T		.02	.08	.06	.13			.13	.40		.03										.02	2.27
PETERSBURG WB CITY					1.55	.02	T	.56			.13	.01	.09				.35	.07	.01					.01							.11	2.91
PHILIPPI	.17		.08		.03	.08		.40	.15	T		.04	T	.15				.87		T												1.95
PICKENS NO 2		.11	.10	.04	.06	.09		.54	.10	.21	.15	.15	.31	.07				.78														2.73

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3—Continued

Station	Day of Month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PIEDMONT	T				.89	.42	.06	.94			.01	.04		.29				.12		.03											2.80
PINEVILLE				.09	.50			.68			T	.28						.85						T							2.40
POINT PLEASANT	.02				.07			.35	.08			T	.03				.21	1.37				.02		.02		.02					2.19
POLK CREEK	.05			.05	.06			.17			.02	T					.35	.58												.05	1.33
PRINCETON 1 SW				.02	.73			.55			.08						.46						.17								2.01
RAINELLE NO 1		*	1.45	.23	.53	T		.80			.18	.18		.02			.30	.22												.04	3.95
RAVENSWOOD DAM 22	.02				.09			.12	.01		.01			T			.09	1.32					.01								1.67
RENICK			.20	.18	.73	T		.77	T		T	.23		T				.20													2.31
RICHWOOD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.68				.61												-
RT FORK OF STONECOAL CRK	.04	T		T	.10			.39			.11		T	.17			.03	.77						.03							1.64
RIPLEY					.14		.01	.21			.15		.01				*	1.34					.07		.01					.44	2.38
ROANOKE		T		T	.15			.19			.06				.06		.21	.65												.11	1.43
ROCKFORD				.22	.08			.33			T			.13			.75	.10		T										T	1.61
ROHRBOUGH	.07			T	.09			.20			.09			.12			.13	.67												.06	1.43
ROMNEY			.04	.01	1.35	.56	.04	.46	.01		.02	.08	.01	.13	.02	.01		.01	1.00	.02	.01		.02	.01							3.81
ROWLESBURG NO 1	.03		T			.26	T	.51	.32		T	T	.14	.05				.52		T											1.83
SALEM	T			.14				.17					T				1.02													.64	1.97
SAND FORK	T		.01	.02	.08			.40	.01		.12		.02	.03			.24	.54					.03	.04						.05	1.59
SHADY SPRINGS				.04	.72			.70	.12	.10								.51													2.19
SHINNSTON	.24			.09	.31			.35			.27	.05	.11	T			1.05	.03	T			T								.42	2.92
SMITHBURG r				.12		.03	.11				.18						1.04													.38	1.86
SPENCER	.02				.17			.26		T	.01						.06	.93						.07							.56	2.08
SPRINGFIELD z					1.89	.09		.26			.05			.21								.63	.26								.18	3.57
SPRUCE KNOB	T	.03	T		T	.12		.75						.37				.74			T											2.01
STONY RIVER DAM			.07		.34	1.13	.10	.78	.15				.16	.27				.25														3.25
SUGARCAMP RUN	.05		T		T			T	T			T	T	T			1.68			T				T							1.73
SUMMERSVILLE z				.26		.35					.40						.51												T	.49	2.01
SUTTON					.11			.32			.28		.11				.12	.70						.08								1.72
SYCAMORE CREEK	.10			.19	.05			.02			.06			.08			.70	.40	T											.10	1.70
TERRA ALTA NO 1			.28	-	-	-	-	-	-		-	-	-				-	-		-											-
TERRA ALTA NO 2 r		.20			.45	.03	.14	.57					.18				.39	.29												.19	2.44
THOMAS		.06	.08		.14	.40		.72	.12					.40	T			.50	T												2.42
TRIBBLE r					.05		.08	.07			.03						1.24						.10							.60	2.17
TYGART DAM r	.08	.21			.10	.01		.50					.11	.02			.85													.41	2.29
UNION z				.12	.88	.03		.42	T		.12	.05						.40	.09												2.11
UPPER DAVISSON RUN	.07			.22	.07			.16			.07	.01	.07				.61	.53		.01										.10	1.92
UPPER SYCAMORE CREEK				.02	.23	.02		.08				T	.08				T	1.20	T												1.63
VALLEY CHAPEL	.05		T	.07	.04			.17			.05		.03	.18			T	.89												.03	1.51
VALLEY HEAD z				.04	.07	.13	T	1.10	.05			.35	.10	.05				.46													2.35
VANDALIA	.02			.04	.09			.38			.10		T				.31	.53						.07						.06	1.60
VIENNA 8RISCOE	.02			.08	.08	.01		.37			.09	T	.02	.02				1.26				T									1.95
WARDENSVILLE R M FARM	T				.50	1.97	.05	.36	.41		.03	.32		.09				.95						.23	.01						4.92
WASHINGTON DAM 19 L	.02				.15			.18	.16		T	.06	.03	T			T	1.16						.11							1.87
WAYNE								.13									.99	.27					.14							.30	1.83
WEBSTER SPRINGS z				.22				.55		.32		.05	.09	T			.16	.54						.07						T	2.00
WELLSBURG 2 NE	.09				.16			.72	.05	.55	.10						1.25	.27		.09										T	3.28
WEST MILFORD	.07			.09	.07			.28			.06			.10			.40	.67													1.74
WESTON	.10			.05	.08	.10		.22	.09			.08	.03	.16				.84														1.75
WHEELING-OHIO CO AP	.01			T	.06		.11	.68	T	.32	.17	.01	.02			T	1.42		.05			T			T					.17	3.02
WHEELING WARWOOD DAM L	.06				.02	.07		.36	.38	.07	.11	.12	.23	.04			.04	1.40		.06			T									2.96
WHITE SULPHUR SPRINGS				.45	.92			.48			.06	.04						.40												.40	2.35
WILLIAMSON					.13		.03			.01	.18						1.10						.13								1.98
WINFIELD LOCKS L					.13	.01		.08	T		.03	T					T	1.17						.06							1.48
YAWKEY					.10		.07				*	*	.05				1.15	.01												.80	2.18

See reference notes following Station Index.

TABLE 4

HOURLY PRECIPITATION

WEST VIRGINIA

OCTOBER 1948

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
CHARLESTON-KANAWHA AIRPORT 6	*	.08																							
CLARKSBURG 1		.02	.02	.01																					
FREEMANSBURG	.03																								.05
HALL		.03	*	.03	.01	.01																			.03
LAKE LYNN	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.08
MORGANTOWN MUNICIPAL AIRPORT 6		*	*	*	*	*	*	.02																	-
NAOMA //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
PARKERSBURG WOOD COUNTY AIRPORT 6	*	.01																							-
TYGART DAM		.01	.01								.01	.01											.01	.03	.08
—2d—																									
DAVIS																									
ELKINS WB AIRPORT																						.02	.01	.01	.04
TERRA ALTA 2																							.47	.04	.51
TYGART DAM									.01	.01	.01										.15	.05			.20
VALLEY HEAD																					.18				.21
																				-	-	-	-	-	-
—3d—																									
DAVIS	.01	.01	.02																						
FRANKLIN																		.01	.04	.04	.01				.04
MARLINTON																		.01	.01	.09	.01	.07	.02		.10
UNION																	.01	.01			.09				.22
																									.09
—4th—																									
CLAY 2																									
ELKINS WB AIRPORT						.01	.01	.01															.01	.03	.04
FLAT TOP //																									.03
GARY //																				.02	.09	.14	.10	.09	.44
HALL					.01	.01	.04															.01	.02	.14	.17
LOCKNEY									.01	.01															.06
LOGAN																								.03	.05
MAC FARLAN							.07		.01	.03	.04												.01	.01	.02
MARLINTON	.01	.06	.04	.01																				.01	.16
OAK HILL																									.12
PARKERSBURG WOOD COUNTY AIRPORT 6									*	*	*	*	*	.20							.03	.10	.08	.10	.31
PARKERSBURG WB CITY													.01	.01	.03										.05
SMITHBURG					.02	.01			.01		.02	.04		.02											.12
SUMMERSVILLE //									.01	.01	.01	.03	.05	.05	.02		.01	.03							.22
UNION																				.01	.01			.03	.05
VALLEY HEAD	-	-	-	-	-	-	-	-	-	-	-	-													-
WEBSTER SPRINGS	.13	.04					.02	.01																	.20
—5th—																									
CHARLESTON-KANAWHA AIRPORT 6	*	.01	*	*	*	*	*	.15	*	*	*	*	*	*	*	*	*	*	*	.02					
CLARKSBURG 1		*	*	*	*	*	*	.05																	
CLAY 2	.01	.04	.05	.08	.04	.03																			.05
DAVIS				.09	.11	.10	.10	.12	.08	.20	.16	.06	.04	.04	.01	.01				.01				.01	.24
ELKINS WB AIRPORT					.02	.03	.03	.05	.06	.04	.01	.01	.01												1.14
FLAT TOP //	.11	.14	.12	.10	.05	.02																			.26
FRANKLIN		*	.04	.09	.16	.14	.17	.19	.14	.27	.11	.08	.19	.11	.07	.03	.01								.54
FREEMANSBURG								.01	.01	.02	.01														1.80
GARY //	.10	.10	.07	.05	.01																				.05
HALL									.09							.01									.33
HUNDRED										.01			.01	.01											.10
LAKE LYNN											.01	.01	.07	.01											.03
LAKIN					.01	.02																			.10
LIVERPOOL	.02	.02	.02	.02	.03																				.03
LOCKNEY	.04	.02	.01	.01	.02	.01																			.11
LOGAN	.06	.02	.01	.02	.01																				.11
MAC FARLAN	.01	.03	.02	.03	.01																				.12
MARLINTON	.02	.07	.04	.08	.10	.10	.09	.04	.07	.01															.10
MARTINSBURG MUNICIPAL AIRPORT				.01	.06	.11	.11	.12	.12	.09	.05	.17	.05	.05	.08	.06	.11	.14	.11	.12	.19	.04	.04	.03	.62
MATHIAS		.01	.01	.09	.13	.13	.13	.16	.19	.28	.11	.11	.09	.20	.18	.12	.13	.05	.10	.02					1.87
MOOREFIELD					.03	.09	.09	.11	.14	.30	.14	.13	.07	.10	.16	.10	.04	.03	.04	.02	.01			.01	2.24
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.02	*	*	*	*	*	.02	*	*	*	*	*	.12					1.61
OAK HILL	.07	.06	.06	.05	.05	.02																			
PARKERSBURG WOOD COUNTY AIRPORT 6			*	*	*	*	*	.15																	.31
PARKERSBURG WB CITY		.01	.07	.02		.01																			
PETERSBURG WB CITY			*	*	*	*	*	.38	*	*	*	*	*	.80	*	*	*	*	*	.37					.11
SPRINGFIELD						.06	.11	.09	.10	.18	.22	.06	.11	.14	.08	.05	.10	.10	.06	.25	.14	.02	.01	.01	1.89
TERRA ALTA 2							.02	.08	.01	.09	.10	.02	.08			.01	.01	.01	.01	.01					.45
TRIBBLE		.03	.01	.01																					.05
TYGART DAM																									
UNION	.07	.11	.08	.15	.13	.13	.03													.01	.04	.04	.01		.10
VALLEY HEAD					.01	.08	.01	.01	.09																.70
WEBSTER SPRINGS			.01	.01		.02		.03	.01	.01				.01	.01										.20
YAWKEY	.01	.01	.02	.01	.02	.01				.01		.01													.11
																									.10
—6th—																									
DAVIS	.01								.01																
MARTINSBURG MUNICIPAL AIRPORT	.03	.03	.03	.03	.01	.01																			.02
MATHIAS			.01		.01	.01																			.14
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.01																.02	.05
PETERSBURG WB CITY			*	*	*	*	*	.02																	
SMITHBURG	.01	.02																							
SPRINGFIELD	.01		.01	.02	.01	.01	.03																		.03
TERRA ALTA 2	.01								.01				.01												.09
TYGART DAM						.01																			.03
																									.01
—7th—																									
CHARLESTON-KANAWHA AIRPORT 6															*	*	*	*	*	.02					
CLARKSBURG 1																				.05	.01	.01			.07
CLAY 2																			.01	.07	.07	.01	.01		.17
DAVIS																							.10	.10	.20
ELKINS WB AIRPORT																							.09	.14	.23
FLAT TOP //																							.07	.04	.11

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
FREEMANSBURG																				.06					.06
GARY //																						.02	.03	.17	.22
HALL																						.04	.02	.04	.10
HUNDRED																				.15	.01				.16
HUNTINGTON 2 //																			.03			.01	.14	.03	.21
LAKE LYNN																					.05				.05
LAKIN																			.04	.12		.03		.02	.21
LIVERPOOL																			.07					.05	.12
LOCKNEY																			.02						.02
LOGAN													.01												.01
MAC FARLAN																		.02	.04		.10	.06	.01	.01	.24
MARLINTON																								.13	.13
MATHIAS	.01																								.01
MORGANTOWN MUNICIPAL AIRPORT 6	*	.04	*	*	*	*	*	.14	*	*	*	*	*	.09	*	*	*	*	*	.05					
OAK HILL																			.04	.01	.01	.06	.04	.05	.21
PARKERSBURG WOOD COUNTY AIRPORT 6															*	*	*	*	*	.08					
PARKERSBURG WB CITY																		.06		.04			.01	.01	.12
SMITHBURG																			.09	.02					.11
SUMMERSVILLE //																					.01	.05	.16	.06	.28
TERRA ALTA 2																							.12	.02	.14
TRIBBLE																		.04	.01					.03	.08
UNION																								.13	.13
VALLEY HEAD																						.18	.16	.15	.49
WEBSTER SPRINGS																						.05	.03	.06	.14
YAWKEY	.03	.02		.01	.01																				.07
—8th—																									
CLARKSBURG 1		.01	.01	.01	.05	.01																			.09
CLAY 2	.01																								.01
DAVIS	.15	.05	.01	.08	.02	.09	.05	.05	.01	.03	.01														.55
ELKINS WB AIRPORT	.14	.01	.07	.04	.02	.12	.10	.01	.01	.07															.59
FLAT TOP //	.10	*	*	*	*	*	.44																		.54
FRANKLIN	.11	.01	.08	.11	.07	.04	.08	.02																	.52
FREEMANSBURG								.07																	.07
GARY //	.01	.05			.12																				.18
HALL	.08		.01	.01	.05	.05			.10				.01	.01	.01										.33
HUNDRED				*	*	.05								.06											.11
HUNTINGTON 2 //	.04		.01								.02	.02													.09
LAKE LYNN			*	*	*	.17	.05	.01	.03	.05			.02		.01		.01	.01	.01	.01					.38
LAKIN	.04	.03	.01									.17	.02												.27
LIVERPOOL	.06										.01	.01	.01	.01											.10
MAC FARLAN	.02	.01	.01				.05																		.09
MARLINTON	.11	.07	.13	.05	.09	.08	.02	.05																	.60
MARTINSBURG MUNICIPAL AIRPORT			.01	.03	.08	.07	.15	.05	.10	.04	.01					.03	.01								.58
MATHIAS		.02	.12	.01	.10	.07	.06		.01	.01			.01	.01											.42
MOOREFIELD		.09	.01	.04	.06	.04	.03	.13	.04	.01			.03												.48
OAK HILL	.01	.01	.03	.01																					.06
PARKERSBURG WOOD COUNTY AIRPORT 6	*	.09	*	*	*	*	*	.05	*	*	*	*	*	.25											
PARKERSBURG WB CITY	.04		.01			.01				.02		.05	.06												.19
PETERSBURG WB CITY			*	*	*	*	*	.38	*	*	*	*	*	.18											
SPRINGFIELD			.09	.04	.04	.04	.02	.03																	.26
SUMMERSVILLE //	.01	.03	.02																						.06
TERRA ALTA 2	.08	.01	.04	*	*	.20	.03	.10	.01	.03		.01				.01	.02	.01	.01	.01					.57
TRIBBLE	.06	.01																							.07
TYGART DAM								.04		.05	.05	.05	.01		.02	.07	.05	.02	.01	.09	.04				.50
UNION	.10	.01	.06	.03	.03	.01																			.24
VALLEY HEAD	.03	.07	.10	*	*	.31	.05	.05																	.61
WEBSTER SPRINGS	.01	.02	.03	.02	.03	.03			.12																.26
—10th—																									
GARY //			.01	.01	.01		.02																		.05
HUNDRED				.03												.01	.01								.05
LAKE LYNN				.02																					.02
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.04																	
VALLEY HEAD									-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
—11th—																									
CHARLESTON-KANAWHA AIRPORT 6									*	*	*	*	*	.01	*	*	*	*	*	.04					
CLAY 2													.03		.03	.12			.01	.02					.21
DAVIS																.03	.05	.02							.10
ELKINS WB AIRPORT					.01												.07	.04							.12
FLAT TOP //			.02	.04	.01	.03	.01	.03																	.14
FRANKLIN																		.10							.10
GARY //																	.01								.01
HALL		.04	*	*	.04																				.08
HUNDRED													.05	.10											.15
LAKE LYNN														.08											.08
LAKIN											.05														.05
LIVERPOOL						.05	.01				.01	.03	.06												.16
LOGAN												.02	.05	.06	.04	.02	.02								.21
MAC FARLAN			.01	.01		.03						.06	.07												.18
MARLINTON					.02	.01			.01		.01							.06	.03	.04	.01				.19
MARTINSBURG MUNICIPAL AIRPORT																				.15	.15	.01			.31
MATHIAS																				.09					.09
MOOREFIELD																			.14	.01					.15
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.01	*	*	*	*	*	.11					
OAK HILL		.01		.01		.02		.01									.05	.06	.07	.03					.26
PARKERSBURG WOOD COUNTY AIRPORT 6									*	*	*	*	*	.05											
PARKERSBURG WB CITY										.01	.04	.03													.08
PETERSBURG WB CITY															*	*	*	*	*	.13					
SMITHBURG													.11	.07											.18
SPRINGFIELD																			.04	.01					.05
SUMMERSVILLE //	.01	.01	.01	.01	.01									.01	.03	.03	.17	.11	.02						.42
TRIBBLE																			.03						.03
UNION				.05	.01	.01	.02																		.09
VALLEY HEAD	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	.20	.06		.01		.01	-
WEBSTER SPRINGS				.01		.01		.01			.01		.01		.02	.22	.02	.01	.01						.33
YAWKEY								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—12th—																									
DAVIS																			.01						
ELKINS WB AIRPORT																				.05					.01
MORGANTOWN MUNICIPAL AIRPORT 6	*	.08																							.05
PARKERSBURG WB CITY																.04				.02					.06
VALLEY HEAD					.01															.01	.05	.03	.01		.11
WEBSTER SPRINGS																					.07	.01			.08
—13th—																									
CLARKSBURG 1																		.02	.05						.07
DAVIS	.01	.01	.02	.02	.02	.01													.21	.05		.04	.02		.41
ELKINS WB AIRPORT																				.08	.07		.03		.18
FRANKLIN																	.01	.01	.02	.02	.01	.01	.02	.01	.11
FREEMANSBURG																	.01	.04	.07			.01			.13
HALL																			.05	.09		.01			.15
HUNDRED																		.10							.10
LAKE LYNN																	.03	.18		.05				.01	.27
MARTINSBURG MUNICIPAL AIRPORT																			.01	.11	.02	.01	.01		.16
MATHIAS																				.03	.07	.02	.02	.06	.20
MOOREFIELD																			.04	.06		.01	.02		.13
MORGANTOWN MUNICIPAL AIRPORT 6	*	.04							*	*	*	*	*	.11											
PARKERSBURG WOOD COUNTY AIRPORT 6															*	*	*	*	*	.01					
PARKERSBURG WB CITY																			.04	.01					.05
PETERSBURG WB CITY			*	*	*	*	*	.01							*	*	*	*	*	.04					
TERRA ALTA 2																				.10	.01	.05	.02		.18
TYGART DAM																	.09				.02				.11
VALLEY HEAD																							.03		.03
YAWKEY	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.05					.05
—14th—																									
FREEMANSBURG		.01	.01	.01			.01	.01																	.05
HALL								.01		.01			.01												.03
LAKE LYNN			.01					.01																	.02
PETERSBURG WB CITY 6			*	*	*	*	*	.05																	
SPRINGFIELD																			.08	.04	.07	.02			.21
TYGART DAM									.01	.01															.02
VALLEY HEAD																								*	*
—17th—																									
CHARLESTON-KANAWHA AIRPORT 6															*	*	*	*	*	.72					
CLARKSBURG 1														.01	.09	.19	.17	.13	.11	.11	.09	.05	.03	.03	1.01
CLAY 2															.06	.07	.12	.10	.08	.12	.09	.05	.03	.04	.76
DAVIS																	.05	.05	.01	.08	.01				.20
ELKINS WB AIRPORT																.03	.09	.06	.03	.08	.05	.04	.05	.05	.48
FLAT TOP //																			.01	.12	.05	.01	*	*	*
FRANKLIN																				.09	.10	.02	.09	.09	.39
FREEMANSBURG													.03	.04	.17	.14	.10	.10	.10	.10	.08	.02	.04	.03	.95
GARY //															.01	.01	.01	.04	.08	.09	.10	.10	.10	.05	.59
HALL																.04	.11	.05	.06	.10	.08	.07	.03	.03	.57
HUNDRED								.03	.07	.10			.09	.12	.19	.15	.15	.10	.10	.08	.02	.08	.02	.02	1.32
HUNTINGTON 2 //											.01	.08	.18	.17	.20	.16	.12	.18	.12	.05	.09	.07	.02	.01	1.46
LAKE LYNN									.06	.01		.01	.02	.18	.20	.11	.14	.12	.04	.10	.10	.08		.02	1.19
LAKIN								.10			.01	.09	.13	.13	.14	.10	.11	.16	.07	.04	.06	.04	.01	.01	1.20
LIVERPOOL											.01	.03	.17	.16	.14	.15	.09	.09	.13	.07	.05	.05	.04		1.18
LOCKNEY														.01	.18	.10	.12	.08	.13	.10	.09	.04	.03	.03	.91
LOGAN															.07	.11	.11	.13	.18	.19	.09	.05	.05	.02	1.00
MAC FARLAN												.01	.16	.16	.12	.16	.10	.11	.13	.07	.03	.05	.03		1.13
MARLINTON																			.02	.08	.03	.02	.03	.01	.19
MARTINSBURG MUNICIPAL AIRPORT																		.02	.02	.06	.16	.12	.10	.08	.56
MATHIAS																				.04	.09	.11	.08	.16	.48
MOOREFIELD																	.03	.07	.02	.07	.02	.09	.03	.17	.50
MORGANTOWN MUNICIPAL AIRPORT 6	*	.03	*	*	*	*	*	.01	*	*	*	*	*	.09	*	*	*	*	*	.85					
PARKERSBURG WOOD COUNTY AIRPORT 6									*	*	*	*	*	.35	*	*	*	*	*	.76					
PARKERSBURG WB CITY									.02	.01		.06	.12	.17	.10	.14	.06	.18	.10	.06	.08	.03	.01		1.14
PETERSBURG WB CITY															*	*	*	*	*	.18					
SMITHBURG														.13	.14	.10	.15	.13	.07	.09	.06	.05	.07	.05	1.04
SUMMERSVILLE //																.05	.10	.07	.11	.09	.10	.03			.55
TERRA ALTA 2																	.10	.10	.06	.04	.08	.01			.39
TRIBBLE											.01	.05	.19	.17	.12	.14	.08	.15	.13	.05	.06	.05	.02		1.24
TYGART DAM														.03	.10	.13	.17	.10	.05	.07	.09	.06	.03	.02	.85
UNION																				.03	.07	.03	.14	.02	.29
WEBSTER SPRINGS																	.04	.02	.06	.08	.10	.10	.05	.03	.48
YAWKEY														.10	.24	.11	.14	.19	.13	.11	.04	.04	.04	.01	1.15
—18th—																									
CHARLESTON-KANAWHA AIRPORT 6	*	.28																							
CLARKSBURG 1	.01																								.01
ELKINS WB AIRPORT	.01	.02	.01	.01																					.05
FLAT TOP //	*	*	*	*	*	*	*	.27																	.46
FRANKLIN	.01	.01	.04	.02																					.08
FREEMANSBURG	.01																								.01
GARY //	.02																								.02
HALL	.02	.02	.02	.01																.01	.01				.09
LAKE LYNN					.01																				.01
LIVERPOOL	.01	.01																							.02
LOCKNEY	.01																								.01
LOGAN	.01	.01	.01																						.03
MARLINTON	.01																								.01
MARTINSBURG MUNICIPAL AIRPORT	.18	.09	.07	.08	.07																				.49
MATHIAS	.10	.06	.07	.01																					.24
MOOREFIELD	.11	.02	.03	.04	.01																				.21
MORGANTOWN MUNICIPAL AIRPORT 6	*	.32																							
OAK HILL				.01			.11	.11	.08	.08	.01														.40
PARKERSBURG WOOD COUNTY AIRPORT 6	*	.15																							
PETERSBURG WB CITY			*	*	*	*	*	.24																	
SUMMERSVILLE //	.01	.01										.11	.11												.24
TERRA ALTA 2		.01										.02	.09	.08	.09										.29
UNION	.01	.02	.01	.01							.03	.03	.01												.12

See reference notes following Station Index

TABLE 4 — Continued
HOURLY PRECIPITATION

STATION	A. M. HOUR ENDING												P. M. HOUR ENDING												TOTAL
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
VALLEY HEAD	*	*	*	*	*	*	*	*	*	*	*	*	*	.40											.40
WEBSTER SPRINGS	.04	.02	.01																						.07
YAWKEY	.01																								.01
—19th—																									
DAVIS									.01	.09	.27	.01										.01	.01	.01	.41
ELKINS WB AIRPORT																							.02	.01	.03
FRANKLIN						.01	.01	.01	.01																.04
HUNDRED																					.02				.02
MORGANTOWN MUNICIPAL AIRPORT 6	*	.05																							
OAK HILL		.02	.01	.01						.02	.04	.03	.05	.01											.19
WEBSTER SPRINGS										.01	.01														.02
—20th—																									
DAVIS	.01																								.01
PETERSBURG WB CITY 6			*	*	*	*	*	.01																	
—22d—																									
SPRINGFIELD																	.02	.03	.10	.09	.08	.06	.10	.15	.63
—23d—																									
CHARLESTON-KANAWHA AIRPORT 6															*	*	*	*	*	.04					
CLAY 2																	.01	.04		.01					.06
FLAT TOP //																			.01						.01
GARY //																			.01	.02	.01	.01			.05
HUNTINGTON 2 //								.01		.01	.02		.01	.01	.04	.01									.11
LAKIN														.05											.05
LIVERPOOL															.03	.01	.01								.05
LOCKNEY																.01	.03	.01							.05
LOGAN																.08									.08
MARTINSBURG MUNICIPAL AIRPORT																					.03	.02	.01	.01	.07
OAK HILL																		.01	.07	.01					.09
PARKERSBURG WOOD COUNTY AIRPORT 6															*	*	*	*	*	.06					
PARKERSBURG WB CITY																.01	.02		.02	.01					.06
SPRINGFIELD	.10	.01	.06	.06	.03																				.26
TRIBBLE														.03	.06	.01									.10
WEBSTER SPRINGS																				.03					.03
—24th—																									
MATHIAS				.03	.01	.01																			.05
PETERSBURG WB CITY 6									*	*	*	*	*	.01											
—31st—																									
CHARLESTON-KANAWHA AIRPORT 6									*	*	*	*	*	.01	*	*	*	*	*	.57	*	*	*	*	
CLARKSBURG 1																	.01	.05	.07	.07	.06				.26
CLAY 2															.04	.02	.07	.09	.07	.02	.02	.05	.04	.01	.43
DAVIS																				.01	.05	.05	.02	.03	.16
ELKINS WB AIRPORT																.01	.01	.02	.03	.06	.05	.02	.02		.22
FLAT TOP //																			.01	.03		.04	.01	.02	.11
FRANKLIN																			.01	.01	.04	.02	.01	.01	.10
FREEMANSBURG																.05	.06	.07	.10	.07	.02				.37
GARY //																				.01			.02	.03	.06
HALL																	.02	.02	.04	.06	.02	.04	.02	.01	.23
HUNDRED																	.02	.08	.01	.01					.12
HUNTINGTON 2 //												.01	.04	.02	.05	.05	.10	.14	.13	.13	.05	.02			.74
LAKE LYNN																		.09	.08	.01		.01			.19
LAKIN														.02	.05	.05	.08	.08	.06	.07	.06	.01			.48
LIVERPOOL															.07	.04	.06	.05	.04	.02	.05	.10	.01		.44
LOCKNEY															.01	.04	.07	.06	.06	.07	.03	.02	.05	.01	.42
LOGAN														.02	.02	.01	.02	.02	.01	.04	.11	.03	.04	.01	.33
MAC FARLAN														*	*	*	*	*	*	*	*	*	*	*	*
MARLINTON																		.01	.02	.02	.04	.05	.02	.01	.17
MARTINSBURG MUNICIPAL AIRPORT																						.02	.02	.01	.05
MATHIAS																				.02	.05	.05	.04	.01	.17
MOOREFIELD																				.01	.03	.04	.01	.01	.10
MORGANTOWN MUNICIPAL AIRPORT 6															*	*	*	*	*	.12					
NAOMA //	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
OAK HILL																	.03	.02	.06	.03	.01	.04	.05	.03	.27
PARKERSBURG WOOD COUNTY AIRPORT 6															*	*	*	*	*	.28					
PARKERSBURG WB CITY														.01	.06	.06	.05	.05	.07	.05	.02	.02	.04		.43
PETERSBURG WB CITY															*	*	*	*	*	.02					
SMITHBURG															.01	.08	.08	.07	.06	.03	.04	.01			.38
SPRINGFIELD								.03	.04	.05	.01	.01	.01	.01	.01	.01									.18
SUMMERSVILLE //																		.01	.06	.07	.08	.07	.02	.05	.36
TERRA ALTA 2																.01	.01	.01	.03	.04	.04	.04	.01		.19
TRIBBLE															.04	.07	.05	.11	.04	.08	.06	.06	.08	.01	.60
TYGART DAM												.01				.01	.07	.06	.12	.09	.03	.01	.01		.41
UNION																				.02	.04	.01		.01	.08
VALLEY HEAD																	.01	.01	.01	.04	.02	.01	.01		.11
WEBSTER SPRINGS																		.01	.05	.03	.02	.01	.02	.01	.15
YAWKEY														.10	.02	.17	.07	.03	.06	.11	.14	.06	.03	.01	.80

See reference notes following Station Index

Table 5

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATHENS	MAX	68	71	67	61	50	59	66	61	61	73	67	64	61	57	64	73	70	52	55	51	55	52	60	56	55	63	70	70	72	73	68	62.7
	MIN	58	45	51	45	38	40	42	52	42	45	52	40	35	35	29	37	47	28	29	32	29	39	28	42	35	29	27	40	36	34	38	38.7
BARTOW	MAX			73	52	53	60	66	61		69	63	53	60	54	66		73	45	55	50	57	53		58	50	63	74	72	72			60.5
	MIN	47			40	34	34	45	48			35	35	40	37	28			26	14	31	15	32			20	27	18	25	23			-
BAYARD	MAX	67	70	58	51	44	47	67	60	56	70	67	54	54	50	59	72	70	45	48	45	50	50	55	52	51	57	68	68	68	70	66	58.4
	MIN	48	52	49	37	33	38	43	43	40	45	44	39	41	39	27	25	40	28	18	31	17	31	22	38	32	34	22	24	28	24	24	34.1
BECKLEY V A HOSPITAL	MAX	68	68	70	63	54	57	65	63	67	69	64	52	61	56	68	73	73	38	53	54	54	54	63	54	51	61	75	71	73	74	70	62.5
	MIN	50	50	45	49	39	41	37	50	46	39	39	36	35	38	28	40	47	27	20	32	22	38	28	32	33	26	25	36	32	34	30	36.3
BENSON	MAX	77	79	79	79	56	59	71	71	65	74	75	59	63	62	67	77	77	77	57	55	62	63	64	63	64	56	65	75	74	77	76	68.3
	MIN	56	40	44	45	46	39	37	51	64	45	48	41	39	37	32	32	48	29	21	28	23	38	29	33	36	28	29	30	30	29	30	37.2
BENS RUN	MAX	73	80	64	58	57	61	68	67	70	74	65	62	64	64	67	79	63	49	58	55	58	60	59	62	58	55	64	74	70	69	63	64.2
	MIN	59	55	55	47	44	42	43	57	47	50	48	44	45	41	38	39	45	30	32	32	30	41	43	40	38	34	34	35	32	35	37	41.7
BERKELEY SPRINGS	MAX																						51	54	63	64	65	72	67	71	67	63	-
	MIN																							42	48	45	42	34	29	37	32	34	-
BLUEFIELD NO 1	MAX	73	69	67	65	50	66	67	62	58	73	68	64	64	61	69	72	69	65	55	52	54	53	57	59	55	64	70	71	71	69	72	64.0
	MIN	57	48	53	47	39	44	46	52	45	49	53	46	37	57	34	46	53	29	26	35	30	41	31	44	39	29	33	44	39	38	43	42.2
BLUESTONE DAM	MAX	81	78	79	75	56	56	65	69	66	67	79	71	60	69	62	73	70	81	46	63	57	58	60	67	63	59	70	70	70	77	74	67.5
	MIN	55	53	52	54	43	44	45	47	43	44	44	45	40	41	38	38	35	33	28	30	28	29	31	33	39	34	33	35	36	32	33	39.2
BRANDONVILLE	MAX	73	67	73	59	52	45	58	69	63	64	68	66	55	56	54	62	74	56	40	52	41	57	53	55	58	49	54	67	71	69	70	59.7
	MIN	51	52	54	40	39	39	40	50	41	45	44	43	46	39	28	30	40	29	20	32	21	38	29	40	35	31	24	30	32	29	29	36.8
BROWNSVILLE	MAX	77	78	76	62	56	57	74	72	67	72	72	58	64	62	66	80	77	47	59	57	61	60	65	60	58	59	67	72	71	75	68	66.1
	MIN	56	54	56	50	44	40	38	50	41	43	48	43	37	38	31	33	44	30	21	29	21	37	29	35	40	29	27	32	29	28	30	37.5
BUCKHANNON	MAX	69	76	65	57	52	54	72	64	65	73	68	57	61	58	64	76	66	45	56	49	59	57	63	55	52	57	69	70	72	73	66	62.6
	MIN	58	56	53	51	42	39	38	51	41	44	50	44	40	37	30	33	43	29	20	32	22	37	29	34	40	26	24	31	30	29	31	37.5
CABWAYLINGO STATE FOREST	MAX								70	73	72	67	61	70	65	74	82	86	49	63	57	60	62	71	61	55	64	76	74	73	78	65	67.8
	MIN	51	52	52	51	47	49	36	48	40	39	50	41	35	36	32	35	40	29	21	26	22	38	32	48	36	30	29	32	29	29	36	37.8
CAIRO 3 S	MAX	72	73	69	60	54	59	74	65	71	72	64	59	65	62	70	78	55	44	59	54	61	59	60	62	54	57	72	72	75	77	62	64.2
	MIN	56	53	56	48	45	37	39	50	42	47	50	42	39	35	31	34	42	29	22	28	24	39	38	39	35	30	31	32	33	30	34	38.4
CANAAN VALLEY	MAX	65	67	60	49	40	52	58	57	54	65	60	59	54	49	57	69	68	48	45	42	50	49	58	48	47	55	66	66	66	66	64	56.5
	MIN	45	52	44	37	35	35	43	44	37	45	44	41	40	35	25	35	45	25	18	28	16	34	28	34	35	34	48	26	27	23	26	35.0
CHARLESTON NO 1	MAX	79	75	79	63	63	55	57	72	65	72	75	69	61	69	64	70	80	71	49	61	55	63	62	60	62	52	64	74	69	75	78	66.5
	MIN	55	57	57	55	47	48	41	50	49	46	53	46	42	40	37	40	52	33	27	32	28	35	34	43	39	36	32	34	34	33	36	41.6
CLARKSBURG NO 1	MAX	76	69	75	61	57	49	54	71	66	66	73	69	57	62	58	63	75	68	44	55	50	57	56	63	58	53	51	67	67	67	71	62.2
	MIN	58	53	54	51	46	44	40	42	46	48	49	44	44	39	34	34	35	32	23	26	26	28	32	35	35	30	30	31	33	30	30	38.1
COALWOOD	MAX	75	78	70	61	61	69	68	68	69	78	70	62	70	67	75	79	76	49	63	57	61	61	68	60	56	64	77	76	76	76	72	68.1
	MIN	56	49	54	54	44	46	41	52	39	40	53	46	35	41	32	37	45	33	21	28	24	41	30	47	35	32	32	40	33	31	35	39.5
CRANBERRY GLADES	MAX	69	65	69	66	46	55	58	61	59	64	65	61	54	62	49	65	69	69	48	49	49	51	57	52	54	56	65	69	66	70	69	60.0
	MIN	43	46	41	31	36	39	34	45	38	35	41	31	38	36	24	28	40	22	16	29	15	34	20	36	31	27	24	22	23	23	26	31.4
ELKINS WB AIRPORT	MAX	69	73	56	56	48	56	70	62	62	72	67	54	58	55	64	76	68	37	54	45	60	57	58	54	50	59	71	70	71	72	66	61.0
	MIN	53	53	52	46	41	41	39	46	43	46	48	43	42	35	32	31	33	25	21	27	21	33	26	33	37	30	25	30	30	27	29	36.1
FAIRMONT	MAX	73	79	63	57	50	54	74	68	66	76	71	58	62	60	63	79	66	49	59	54	59	59	64	59	59	51	68	70	72	72	65	63.8
	MIN	59	53	55	49	44	43	41	47	45	52	45	44	43	38	35	34	37	28	24	31	30	38	32	36	34	32	32	35	36	33	32	39.3
FLAT TOP	MAX	64	68	62	53	48	59	61	59	58	70	62	54	58	52	63	71	68	37	52	46	50	51	57	51	49	58	68	68	68	70	66	58.7
	MIN	50	48	51	41	36	38	38	44	40	40	50	38	37	38	27	34	37	23	23	30	20	37	26	40	37	33	27	33	32	29	33	35.8
GARY	MAX	81	80		75	58	60	66	72	67	67	78	73	59	67	63	72	78	75	45	60	55	61	63	65	61	55	62	77	75	76	75	67.4
	MIN	49	49		50	43	45	41	44	41	41	53	45	37	38	33	34	40	33	23	23	24	25	31	33	36	33	32	33	33	30	31	36.8
GLENVILLE NO 1	MAX	70	76	68	60	53	58	73	67	69	75	68	58	65	62	65	79	69	44	57	50	61	59	62	60	52	57	68	68	69	72	68	63.9
	MIN	58	56	55	51	46	45	40	51	45	45	49	43	45	38	34	35	42	31	23	29	25	40	32	39	37	31	32	35	34	31	33	39.7
GRAFTON	MAX	70	76	61	58	50	55	72	63	68	73	69	57	60	58	64	76	68	45	55	49	59	58	62	57	56	52	67	69	71	72	65	62.4
	MIN	34	53	54	48	44	43	37	45	46	46	47	47	37	37	33	33	43	30	22	29	22	37	28	32	40	30	20	31	33	29	30	36.8
GRANTSVILLE	MAX	79	73	81	68	67	55	59	70	67	71	78	69	64	68	64	70	82	71	49	60	55	64	61	63	62	54	59	72	71	73	78	67.0
	MIN	56	56	54	53	46	42	40	44	43	43	48	43	40	37	34	36	44	29	24	29	26	30	36	40	37	32	32	32	34	33	34	38.9
HAMLIN	MAX	77	77	80	61	63	60	55	70	62	75	77	69	63	71	65	73	82	70	49	62	57	62	62	57	63	52	64	72	70		78	66.6
	MIN	51	50	50	46	44	36	36	46	41	37	47	38	33	33	27	33	44	28	20	24	20	36	31	38	32	28	28	34	27		26	35.5
HASTINGS	MAX	71	75	74	58	52	68	62	59	60	64	62	56	59	59	64	75	66	46	56	54	55	54	60	60	50	50	67	67	70	72	72	61.8
	MIN	58	53	53	48	43	38	50	44	48	46	48	44	40	38	33	32	44	30	19	29	23	38	36	35	36	30	29	31	33	30	32	38.4
HINTON NO 1	MAX	81	73	78	72	56	57	64	68	61	67	79	70	58	69	62	70	81	79	69	50	65	57	60	69	63	60	70	80	72	77	78	68.2
	MIN	57	55	55	54	44	45	44	47	43	43	44	44	39	40	38	37	39	33	32	29	29	30	32	33	39	35	33	33	36	32	33	39.6
HUNTINGTON NO 1	MAX	78	81	65	65	65	57	70	65	74	78	68	65	71	67	72	82	76	52	64	58	60	59	55	63	60	63	72	64	75	75	68	67.3
	MIN	55	55	55	50	48	40	41	49	47	47	57	43	42	39	37	41	43	30	29	32	31	43	40	45	41	34	34	40	38	34	43	42.0
KEARNEYSVILLE	MAX	80	79	70	58	53	56	65	66	68	74	67	66	66	61	65	68	75	64	55	54	54	53	56	63	65	66	70	64	71	63	65	64.5
	MIN	57	55	54	38	43	43	46	55	44	48	53	44	44	42	40	32	48	37	26	35	26	36	39	48	47	45	36	32	40	36	35	42.1
KINGWOOD	MAX																			53	50	54	54	58	54	51	54	66	72	68	69	64	-
	MIN																			21	32	22	38	34	35	41	33	38	32	36	32	34	-
KUMBRABOW STATE FOREST	MAX	65	69	60	53	48	57	66	59	59	69	62	55	56	49	60	70	68	54	49	46	58	52	54	51	47	58	69	70	67	71	65	59.2
	MIN	46	45	48	45	37	38	39	46	37	39	41	38	37	37	25	31	42	23	14	29	18	36	25	31	36	28	22	30	27	28	29	33.8
LE SAGE-GREENBOTTOM	MAX	75		80	65	64	59	68	67		78	67		71	69	72	70	61	50	62	61	59	58	58	63	55	63	72	70	75			65.8
	MIN	54			49	46	38	39	47	43		44		40	36	35	39		28	27	30	28	40	38		38	33	32	38	36	33		38.0
LEWISBURG	MAX	75	75	69	59	51	55	65	67	70	72	71	65	66	61	66	71	77	52	58	55	60	55	61	63	64	70	73	72	74	72	66	65.5
	MIN	53	48	45	47	40	39		52	38	55	51	38	35	38	27	35	41	29	18	34	21	40	27	37	31	25	26	36	33	31	34	36.8
LOGAN	MAX	79	77	81	62	67	60	64	68	64	67	76	70	61	70	67	76	82	75	51	64	59	63	62	65	64	52	67	75	74	76	77	68.2
	MIN	55	55	55	54	47	46	45	50	46	43	46	48	42	42	40	40	42	34	28	29	29	30	35	37	42	37	37	37	35	33	34	41.1
LONDON LOCKS L	MAX	80	75	79	62	62	57	57	74	67	70	76	70	62	68	61	69	79	73	49	61	57	63	60									66.6
	MIN	57	56	56	54	44	44	43	43	43	44	45	44	41	40	39	39	42	33	29	29	30		39	58				36	37	36	37	42.1
MADISON	MAX	80	78	81	60	62	58	59	70	64	72	76	70	63	69	65	74	81	73	50	63	58	66	65	69	69	52	67	75	71	75	78	68.2
	MIN	56	54	56	53	46	44	44	46	47	41	51	46	40	40	37	38	46	33	24	26	25	26	32	45	38	34	33	34	31	31	33	39.7

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MANNINGTON 1 N	MAX	73	79	75	59	57	55	72	68	69	74	68	61	62	60	67	79	74	50	59	54	59	58	63	62	59	53	71	69	74	75	64	65.2
	MIN	60	56	54	47	44	43	38	52	44	49	46	39	38	35	32	30	44	30	20	29	22	38	30	49	34	29	29	26	34	35	34	38.5
MARTINSBURG MUNICIPAL AP	MAX	76	75	63	56	47	55	63	65	65	75	67	63	63	59	64	67	76	46	54	50	52	50	53	62	63	64	71	65	72	65	64	62.3
	MIN	57	55	55	40	44	45	45	50	44	46	53	45	48	45	37	32	44	32	25	37	27	38	42	48	48	39	36	33	39	33	34	41.8
MC NEILL 2 NE	MAX	79	80	74	65	55	55	65	70	67	79	73	64	64	66	65	71	80	71	62	60	58	54	59	61	63	69	74	69	72	68	71	67.2
	MIN	56	50	49	43	41	42	47	54	45	40	50	41	39	31	30	26	43	38	19	31	22	35	35	36	27	24	24	26	31	27	29	36.6
MIDDLEBOURNE 2 ESE	MAX	75	72	79	64	54	51	61	72	65	70	75		60	65	62	67	60	62	49	57	54	60	58	60	63	55	49	69	89	79	75	64.4
	MIN	56	51	53	48	42	42	37	49	45	49		40	36	38	34	35	61	29	23	27	24	41	40	35	36	32	31	32	31	30	34	38.7
MOOREFIELD	MAX	80	77	66	57	50	53	65	71	67	61	78	74	65	66	64	79	81	55	68	55	58	55	59	63	63	69	72	64	72	69	63	66.5
	MIN	54	56	53	44	42	42	48	54	47	48	47	44	46	44	34	34	48	35	24	37	25	37	38	44	31	29	27	30	35	31	34	40.1
MORGANTOWN MUNICIPAL AP	MAX	66	76	65	58	50	52	72	64	64	72	68	56	60	57	61	75	66	43	54	49	55	58	59	56	53	47	64	69	70	71	64	61.2
	MIN	58	54	52	45	42	41	46	46	45	50	48	45	42	41	32	46	40	28	27	32	25	43	40	36	36	33	28	32	37	33	38	40.1
MORGANTOWN NO 1	MAX	70	75	65	60	57	53	74	64	65	72	68	64	61	57	63	77	71	49	58	52	58	59	60	58	55	50	64	67	69	68	64	62.8
	MIN	59	55	55	47	45	43	44	52	46	51	50	46	45	42	38	48	44	33	30	34	28	37	38	36	41	35	33	35	39	36	39	42.1
MORGANTOWN LOCK 10 L	MAX	77	73	79	62	58	48	55	75	65	66	74	71	61	63	60	64	79	48	57	55	59	62	62	61	58	55	63	69	74	72	66	64.2
	MIN	59	57	56	46	45	43	43	49	47	49	49	46	45	42	37	36	43	30	26	33	29	41	57	41	44	43	40	40	39	55	40	43.6
NEW CUMBERLAND DAM 9	MAX	70	74	62	62	55	55	72	65	69	64	61	60	61	60	65	78	72	48	56	45	55	61	62	63	57	63	60	62	71	66	57	62.3
	MIN																		33	28	33	30	36	46	40	40	35	36	34	36	33	30	-
NEW MARTINSVILLE	MAX	72	81	67	66	54	60	74	68	70	74	63	63	65	65	66	76	71	50	59	54	59	57	60	63	56	49	69	70	73	75	63	65.0
	MIN	59	55	54	49	44	43	42	49	46	46	49	41	41	38	37	35	40	34	23	29	29	40	39	38	36	33	32	35	38	33	38	40.2
OAK HILL	MAX	76	69	71	68	57	54	53	67	60	64	70	67	55	62	56	66	67	74	40	55	49	53	55	61	55	49	59	71	69	70	73	61.8
	MIN	51	50	52	50	41	42	36	42	42	42	37	40	34	37	32	34	45	27	20	23	25	30	30	37	35	35	25	28	34	33	35	36.3
PARKERSBURG WOOD CO AP	MAX	71	74	64	52	52	59	69	61	68	70	62	59	64	61	65	76	67	47	57	53	57	56	56	62	53	54	67	66	74	75	62	62.4
	MIN	56	54	51	48	45	40	42	46	46	50	45	45	45	36	35	41	38	29	27	30	28	45	44	41	38	31	33	34	35	35	40	40.4
PARKERSBURG WB CITY	MAX	74	75	64	52	54	59	69	61	70	73	62	60	67	63	66	79	69	48	58	54	58	58	56	60	53	56	67	66	72	71	64	63.2
	MIN	58	58	52	48	44	41	43	47	47	53	45	46	47	40	35	42	38	30	29	34	30	46	42	43	38	32	32	37	36	36	42	41.6
PARSONS	MAX	69	75	66	55	50	56	70	63	62	73	70	60	58	57	64	76	70	48	55	50	59	56	60	55	53	62	73	73	73	74	63	62.8
	MIN	55	53	55	47	41	41	44	51	44	45	48	42	42	42	35	32	46	30	20	35	25	42	27	34	37	33	26	30	32	29	29	38.5
PETERSBURG WB CITY	MAX	76	78	64	55	46	50	64	71	67	60	74	62	65	59	63	76	81	44	62	51	59	55	60	60	62	67	71	68	72	69	66	64.4
	MIN	55	56	54	45	41	43	48	52	48	51	53	44	48	40	32	31	40	28	23	33	25	37	36	42	34	28	28	31	34	30	31	39.4
PIEDMONT	MAX																																
	MIN	56	51	53	43	43	43	48	54	47	44	49	41	46	45	37	35	48	35	24	38	29	35	36	42	39	41	32	33	36	33	34	41.0
PINEVILLE	MAX	80	77	78	67	56	61	66	70	64	68	72	70	60	67	65			76	64	59	56	63	60	68	62	58	65	68	73	72	70	66.9
	MIN	52	48	49	51	41	42	39	40	40	39	41	43	35	30	32			30	24	19	21	20	30	30	33	30	30	30	31	30	29	34.8
POINT PLEASANT	MAX	75	76	67	64	61	63	67	67	71	77	72	63	68	68	67	79	76	48	59	59	59	59	58	62	59	56	64	65	70	70	70	65.8
	MIN	58	57	55	50	47	45	42	50	48	46	56	45	43	40	35	42	46	30	30	33	29	43	41	43	42	35	32	39	39	35	43	42.6
RAINELLE NO 1	MAX			78	56	54	60	65	61	65	71	67	57		63	66	75	72	39	51	51	53	56	61	57	53	64	76	71	75	75	67	62.9
	MIN			54	34	36	40	39	48	41	36	47	39		33	31	33	36	30	16	24	22	40	29	34	42	30	25	30	31	27	30	34.3
RAVENSWOOD DAM 22 L	MAX	73	77	68	64	57	62	71	67	71	75	74	63	66	66	69	80	78	49	60	60	63	59	60	63	61	56	67	67	70	75	71	66.7
	MIN	55	52	54	49	45	40	38	49	46	43	54	40	38	36	30	36	43	29	24	25	24	41	35	35	36	23	29	34	33	30	37	38.2
RICHWOOD	MAX														70	55	69	75	72	39	56	48	60	58	60	60	61	63	67	75	74	74	-
	MIN														47	24	26	38	23	14	17	24	26	32	36	36	38	26	26	29	32	33	-
RIPLEY	MAX	74	80		56	59	62	71	65	72	76	74	62	69	67	72	82		50	62	58	63	63	58	64	54	61	70	66	71	75	64	66.2
	MIN	56	52		51	44	43	36	48	44	41	50	38	35	33	29	35		27	22	25	23	37	32	40	33	27	28	32	29	29	29	36.1
ROMNEY	MAX	79	74	79	57	53	66	63	77	66	79	75	66	62	60	64	74	80	63	62	58	54	52	57	64	63	68	72	73	69	67	65	66.5
	MIN	36	37	35	36	41	41	46	53	45	45	50	39	44	45	35	32	45	30	21	32	25	30	36	42	35	34	30	30	36	30	34	37.2
ROWLESBURG NO 1	MAX	79	72	76	60	57	57	64	75	67	65	75	69	56	61	57	69	73	68	44	58	42	62	59	63	58	56	60	73	76	75	78	64.6
	MIN	57	57	56	45	41	42	42	44	45	46	49	45	42	44	37	35	35	32	27	36	29	29	30	30	42	35	32	32	36	33	33	39.3
SALEM	MAX	69	78	71	60	57	57	71	64	65			64	61	63	65	75	70	69	69	50	55	51		60	61	53	70	67			75	64.2
	MIN	57	51	55	45	45	32	37	49	45			42	39	34	32	32	52	32	21	28	22	29		29	30	27	27	30			34	36.8
SHADY SPRINGS	MAX	67	72	68	57	52	60	65	60	61	70	65	56	60	55	65	72	69	44	52	49	51	53	58	56	51	60	72	67	71	71	66	61.1
	MIN	48	43	47	45	38	40	36	49	37	37	49	35	31	34	25	35	42	25	16	26	20	38	26	39	30	25	23	31	28	27	29	34.1
SPENCER	MAX	75	70	78	62	55	56	57	72	63	70	75	61	59	67	60	67	80	69	47	59	53	60	59	59	60	51	59	66	66	69	72	63.9
	MIN	56	54	56	52	45	44	36	41	45	44	40	36	39	35	31	34	57	29	24	26	24	33	35	44	36	30	30	31	30	30	33	36.3
SUMMERSVILLE	MAX	68	72	72	59	56	62	69	69	72	67	71	56	66	56	67	76	46	43	56	46	60	56	54	54	49	61	67	72	72	74	56	62.3
	MIN	49	50	48	39	39	30	30	40	33	36	36	39	34	27	27	43	24	15	19	17	25	23	23	26	25	20	23	24	23	27	41	30.9
SUTTON	MAX	79	79	77	64	60	58	75	75	70	71	71	58	65	65	70	60	60	54	56	56	65	65	62	62	60	60	72	72	69	74	74	67.8
	MIN	54	56	56	52	47	43	46	50	43	41	44	43	35	40	34	35	46	31	24	30	25	40	30	30	36	32	30	33	31	30	32	38.7
TERRA ALTA NO 1	MAX				46											56	62	64	62	54	48	46	48	52	52	46	52	54	66	66	68		-
	MIN				36											29	34	36	40	36	26	26	34	25	36	36	34	30	24	30	28		-
UNION	MAX	77	73	76	67	51	51	56	66	66	64	75	69	56	65	59	66	76	74	41	56	54	57	55	61	60	56	66	72	72	74	73	64.4
	MIN	52	44	45	46	40	39	36	40	43	36	43	39	35	39	27	29	39	26	17	20	21	24	26	31	30	22	25	27	31	26	31	33.5
VALLEY CHAPEL	MAX	61	60	77	64	56	59	74	74	68	77	73	60	64	64	66	79	76	49	56	58	61	60	65	61	65	64	70	73	71	76	74	67.8
	MIN	58	54	55	47	46	45	39	40	45	46	49	45	39	39	36	35	49	30	22	29	24	39	51	35	40	30	30	33	33	31	33	39.6
VIENNA BRISCOE	MAX	74	72	78	78	55	60	70	66	72	74	72	62	67	71	66	66	74	78	56	62	59	61	66	66	63	57	69	70	72	72	74	67.9
	MIN	43	45	44	48	45	38	39	50	49	47	45	40	39	35	36	37	36	31	26	30	26	41	42	41	37	33	32	35	35	36	39	38.8
WARDENSVILLE R M FARM	MAX	76	75	75	61	54	45	51	62	66	65	75	71	60	61	56	62	77	76	45	57	51	54	50	56	59	62	67	70	69	70	62	62.7
	MIN	54	51	51	41	43	42	44	51	46	38	52	40	37	41	32	29	33	34	22	29	24	30	38	44	34	32	26	29	31	30	32	37.5
WEBSTER SPRINGS	MAX	70	75	62	61	53	59	71	66	85	70	69	57	63	59	69	77	72	44	57	53	65	61	64	56	53	64	75	73	76	77	66	64.6
	MIN	55	54	56	52	44	45	42	52	44	47	45	46	39	43	36	39	44	30	23	37	24	46	30	44	43	33	26	36	32	32	34	40.5
WELLSBURG 3 NE	MAX	73	72	65	60	58	55	70	87	67	65	62	61	62	80	61	77	72	64	54	52	54	60	62	62	56	56	64	65	66	69	61	63.0
	MIN	55	51	54	37	44	43	42	49	43	43	48	39	44	34	35	32	43	32	24	29	24	35	42	37	34	32	32	31	33	29	32	36.1
WESTON	MAX	60	70	60	65	58	53	60	75	66	69	76	70	60	64	60	67	78	66	48	57	63	60	59	64	60	56	57	66	70	70	73	65.4
	MIN	60	58	58	54	47	45	40	40	46	48	49	45	40	36	36	38	30	24	24	26	26	34	34	39	33	32	32	35	32	32	39.4
WHEELING-OHIO CO AIRPORT	MAX	88	75	58	57	48	53	88	56	86	58	80	56	59	57	61	75	63	44	52	49	52	57	58	59	54	54	66	63	66	73	60	59.8
	MIN	58	53	46	39	41	41	45	46	44	42	48	44	44	39	30	42	35	31	29	33	26	41	44	40	39	29	30	33	36	37	42	39.6
WHEELING WARWOOD DAM 12 L	MAX	75	70	77	61	59	52	52	72	80	68	81	63	80	63	60	63	76	63	46	55	52	55	57	61	62	55	53	65	66	72	72	62.1
	MIN	59	56	54	43	44	44	45	47	48	45	45	45	45	40	39	40	42	33	30	34	31	33	42	42	44	36	33	34	38	37	36	41.4

See reference notes following Station Index.

Table 5-Continued

DAILY TEMPERATURES

Station		Day of month 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	Average
WHITE SULPHUR SPRINGS	MAX	75	77	70	66	53	62	65	66	72	64	70	65	64	62	69	75	74	58	58	56	59	55	61	60	56	70	74	74	75	75	68	66.1
	MIN	54	49	64	49	51	51	48	57	56	50	52	55	36	43	30	32	42	35	19	35	22	33	24	32	28	24	23	30	29	28	31	39.1
WILLIAMSON	MAX	80	77	83	60	66	65	69	68	64	77	78	69	64	73	70	78	82	74	52	69	62	63	62	68	65	51	66	79	78	80	77	70.0
	MIN	55	52	53	54	48	45	45	53	48	47	49	46	40	41	37	38	42	33	27	27	27	28	35	31	30	35	35	35	32	31	32	39.7
WINFIELD LOCKS	MAX	76	74	79	65	63	59	60	69	64	71	76	68	63	70	64	70	80	71	50	61	56	62	62	55	62	53	62	73	67	76	77	66.4
	MIN	57	57	56	52	47	46	43	46	50	48	48	42	42	40	37	37	47	32	29	29	30	32	37	40	39	32	34	34	39	36	37	41.1

TABLE 6
DAILY EVAPORATION (INCHES) AND WIND MOVEMENT (MILES)

STATION		DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	DEPARTURE FROM NORMAL
CLARKSBURG NO 1	EVAP.	.050	.074	.045	.086	.041	.026	.041	.019	.130	.069	.090	.056	.056	.058	.032	.050	.036			.067	.035	.028	.027	.036	.003	.038	.025	.030	.005	.022	.012	1.287	
	WIND	18	39	41	45	42	62	35	24	106	44	53	66	56	89	41	64	26	56	49	87	49	6	8	24	34	48	12	18	5	14	3	1264	
WARDENSVILLE R M FARM	EVAP.		.094	.128	.029	.071					.068	.143	.139	.084	.092	.038	.083	.113		.111	.114	.057	.066	.020	.089	.072	.076	.110	.068	.039	.045	.086	2.035	
	WIND	9	15	10	30	15	14	2	11	37	14	29	30	13	28	20	11	28	29	21	31	25	9	6	23	22	43	18	4	6	4	11	568	

TABLE 7
DAILY RIVER STAGES (FEET)

RIVER AND STATION	FLOOD STAGE	DAY OF MONTH 1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	HIGHEST (OR CREST)	DATE	LOWEST	DATE
POTOMAC																																				
HARPERS FERRY	18	1.0	1.0	0.9	0.9	1.0	1.2	7.4	8.2	5.8	6.8	7.0	5.0	4.0	3.8	3.5	3.1	3.0	2.6	4.1	4.0	4.0	3.8	3.1	2.9	2.8	2.4	2.2	2.0	2.0	1.9	1.9	8.2	8	0.9	3+
TYGART																																				
ELKINS	14	3.0	2.9	2.9	2.9	2.8	2.8	2.8	2.9	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.0	3.0	3.0	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.0	2.9	3.0	3.0	3.0	2.9	3.2	9+	2.8	5+
PHILIPPI	20	2.7	2.8	2.6	2.5	2.4	2.4	2.4	2.4	2.7	3.4	3.0	2.8	2.8	2.7	2.7	2.7	2.6	2.7	3.4	3.4	3.2	3.1	3.0	2.9	2.9	2.8	2.6	2.6	2.7	2.6	2.5	3.4	10+	2.4	5+
WEST FORK																																				
WESTON	15	2.6	2.3	2.2	2.2	2.1	2.1	2.1	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.0	2.0	2.0	3.2	2.9	2.8	2.7	2.5	3.0	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.0	3.2	18	2.0	15+
MONONGAHELA																																				
LOCK NO 15 HOULT LOWER	22	8.0	8.0	7.7	7.6	7.7	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.6	7.5	8.0	8.4	8.3	8.4	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	8.4	19+	7.5	17
LOCK NO 15 HOULT UPPER		8.0	8.0	7.6	7.5	7.7	7.7	7.6	7.7	7.6	7.6	7.7	7.7	7.6	7.6	7.6	7.6	7.9	8.4	8.3	8.3	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	7.9	8.4	19	7.5	4	
LOCK NO 10 MORGANTOWN L	25	8.4	8.4	8.2	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	8.0	7.9	8.0	8.0	8.0	8.0	8.3	8.6	8.6	8.5	8.4	8.0	7.9	8.3	8.3	8.2	8.2	8.2	8.2	8.2	8.6	19+	7.9	13+
LOCK NO 10 MORGANTOWN U		8.0	8.0	7.8	7.7	7.5	7.6	7.6	7.6	7.6	7.6	7.8	7.6	7.5	7.6	7.6	7.6	7.6	7.9	8.2	8.2	8.1	8.0	8.0	7.9	7.9	7.9	7.8	7.8	7.8	7.8	7.8	8.2	19+	7.5	5+
LITTLE KANAWHA																																				
GLENVILLE	23	2.6	2.5	2.4	2.3	2.3	2.2	2.2	2.2	2.2	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.3	3.4	3.1	2.9	2.7	2.6	2.5	2.4	2.4	2.3	2.3	2.3	2.3	2.2	3.4	18	2.1	16+
CRESTON	20	2.6	2.6	2.6	2.6	2.5	2.3	2.3	2.3	2.2	2.2	2.2	2.2	2.1	2.1	2.1	2.1	2.1	2.5	3.1	3.0	3.4	3.1	3.0	3.0	2.9	2.8	2.6	2.7	2.7	2.7	2.7	3.4	21	2.1	13+
GAULEY																																				
CAMDEN-ON-GAULEY	23	2.5	2.2	2.0	2.0	2.0	2.0	1.9	2.1	3.5	3.0	2.5	2.5	2.6	2.5	2.3	2.3	2.2	2.3	2.4	2.4	2.3	2.3	2.1	2.1	2.1	2.1	2.1	2.1	2.0	2.0	2.0	3.5	19	1.9	7+
NEW																																				
HINTON	14	0.8	1.0	0.8	0.7	0.7	0.8	1.2	1.2	1.1	1.3	1.1	1.0	1.0	0.9	0.9	0.8	0.8	0.6	0.7	0.7	0.7	0.6	0.6	0.7	0.6	0.6	0.6	0.6	0.6	0.6		1.3	10	0.6	23+
KANAWHA																																				
KANAWHA FALLS	25	1.5	1.4	1.9	1.8	1.6	1.6	2.3	2.7	2.7	2.9	2.7	2.6	2.4	2.4	2.1	2.1	1.8	2.0	1.6	2.0	1.6	1.8	1.8	1.6	1.8	1.5	1.5	1.7	1.8	1.4	1.6	2.9	10	1.4	2+
LONDON DAM LONDON LOWER	43	h 9.0	h 9.0	h 9.0	h 9.1	h 9.1	h 9.1	h 9.2	h 9.0	h 9.3	h 9.0	h 8.0	h 9.1	h 9.2	h 9.0	h 9.3	h 9.0	h 9.0	h 9.2	h 9.0	h 8.9	h 9.0	h 9.1	h 9.0	h 9.1	h 9.0	h 9.0	h 9.0	h 9.0	h 9.1	h 9.0	h 9.0	9.3	10+	8.9	20
LONDON DAM LONDON UPPER		h 17.7	h 17.7	h 17.7	h 17.7	h 17.6	h 17.7	h 17.8	h 17.8	h 17.8	h 17.9	h 17.8	h 17.7	h 17.9	h 18.0	h 17.8	h 17.9	h 17.7	h 17.8	h 17.7	h 17.7	h 17.7	h 17.7	h 17.6	h 17.7	h 17.8	h 17.7	h 17.6	h 17.7	h 17.6	h 17.6	h 17.7	18.0	14	17.6	5+
CHARLESTON	34	h 7.0	h 7.0	h 7.0	h 7.0	h 7.0	h 7.0	h 7.0	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	h 7.2	7.2	8+	7.0	1+
GUYANDOT																																				
LOGAN	20	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.7	2.7	2.7	2.7	2.7	2.7	2.7	2.6	2.6	2.6	2.6	2.5	2.6	2.6	2.7	10+	2.5	1+
TWELVE POLE CREEK																																				
WAYNE	25	3.0	3.0	3.0	3.0	2.9	2.9	3.0	2.9	2.9	2.9	2.9	2.9	3.0	2.9	2.9	2.9	2.9	3.0	3.1	3.2	3.2	3.4	3.3	3.4	3.3	3.3	3.3	3.2	3.2	3.2	3.2	3.4	22+	2.9	5+
OHIO																																				
DAM NO 12 WHEELING L		9.0	8.2	9.0	8.0	9.3	9.2	9.3	9.5	9.5	10.0	8.1	9.0	9.0	9.6	9.3	9.2	9.1	10.4	11.0	10.4	11.0	9.8	10.0	9.8	9.5	9.3	10.2	9.2	9.1	9.4	9.3	11.0	19+	9.0	1+
DAM NO 12 WHEELING U	36	15.3	15.4	15.4	15.4	15.5	15.6	15.8	15.6	15.6	15.5	15.4	15.4	15.2	15.5	15.6	15.4	15.4	15.2	15.2	15.2	15.2	15.3	15.5	15.4	15.5	15.4	15.5	15.4	15.4	15.4	15.5	15.6	6+	15.2	13+
PARKERSBURG	38	10.2	10.3	10.7	10.8	10.4	10.4	10.5	10.6	10.3	10.4	10.6	10.7	10.7	10.7	10.8	10.3	10.8	11.1	10.4	10.2	11.4	10.6	10.8	10.6	10.5	10.8	10.6	10.7	10.6	10.5	10.6	11.4	21	10.2	1+
DAM NO 22 RAVENSWOOD L		9.7	9.5	9.3	9.5	9.4	9.3	9.2	9.3	9.4	9.7	8.1	9.6	9.5	9.6	9.4	9.3	9.5	10.7	9.1	10.7	10.6	9.7	9.6	10.0	9.9	9.5	9.6	9.5	9.6	9.6	9.6	10.7	18+	9.1	11+
DAM NO 22 RAVENSWOOD U	44	15.8	15.5	15.5	15.8	15.8	15.5	15.8	15.6	15.5	15.8	15.7	15.6	15.7	15.6	15.5	15.5	15.5	15.1	15.2	15.2	14.7	15.0	15.2	15.4	15.5	15.3	15.7	15.3	15.5	15.6	15.6	15.8	10	14.7	21
POINT PLEASANT	40	h 24.3	h 24.3	h 23.9	h 24.0	h 23.9	h 23.8	h 24.1	h 24.1	h 23.9	h 24.0	h 24.2	h 24.0	h 23.9	h 24.3	h 23.9	h 24.2	h 24.3	h 24.3	h 24.2	h 24.5	h 24.1	h 24.0	h 24.2	h 24.3	h 24.0	h 24.3	h 24.1	h 24.0	h 23.8	h 23.9	h 23.9	24.5	20	23.8	6+
HOGSETT GALLIPOLIS DAM L	50	9.8	10.2	9.1	9.8	9.8	9.3	9.8	9.5	9.5	8.5	10.5	10.3	9.8	10.0	8.6	9.6	9.7	11.2	11.2	11.6	10.5	10.7	10.4	10.5	9.7	10.1	9.9	8.9	9.5	9.8	9.7	11.6	20	9.1	3+
HOGSETT GALLIPOLIS DAM U	35	h 18.2	h 18.3	h 18.1	h 18.0	h 18.0	h 18.0	h 18.1	h 18.1	h 17.9	h 18.0	h 18.2	h 18.1	h 18.0	h 18.3	h 18.0	h 18.3	h 18.4	h 18.2	h 18.2	h 18.4	h 18.0	h 18.0	h 18.1	h 18.2	h 17.9	h 18.3	h 18.2	h 18.0	h 17.9	h 18.0	h 17.9	18.4	17+	17.9	9+

The following reference notes apply only to Table 7 - Daily River Stages:

Readings are made at approximately 7 a.m. (local time). They are provisional and subject to correction. Final and corrected stages will be published in the annual publication "Daily River Stages - Principal Rivers of the United States".

a Obstructed by rough ice.
b Frozen but open at gage.
c Upper surface of smooth ice.
d Ice gorge above gage.
e Ice gorge below gage.
f Shore ice.
g Floating ice.
h Pool stage.
i Dry at gage.
j Interpolated.

STATION INDEX

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
ABERDEEN	0012	UPSBUR	WEST FORK	39 03	80 19	1060	EST		4P		24		L ESLE BOND	3
ALDERSON	0102	MONROE	GREENBRIER	37 43	80 39	1550	EST	6P	6P	2	2		JOHN E FOSTER	2 3 5
ALPENA	0143	RANDOLPB	CHEAT	38 55	79 40	3020	EST		8A		14		ARTHUH G ROY	3
ARBOVALE	0249	POCAHONTAS	GREENBRIER	38 26	79 49	2734	EST		8A		25		H S SUTTON	3
ARNOLD	0307	LEWIS	WEST FORK	38 55	80 30	1100	EST		5P				E C GAY	3
ATHENS	0355	MERCER	BLUESTONE	37 25	81 01	2600	EST	6P	6P	3	7		CONCORD COLLEGE	2 3 5
BARTOW	0509	POCAHONTAS	GREENBRIER	38 32	70 41	2780	EST	5P	5P		16		U S FOREST SERVICE	2 3 5
BAYARD	0527	GRANT	POTOMAC-N BRANCB	39 16	79 22	2370	EST	7P	7P	45	43		HOWARD R FULK	2 3 5
BECKLEY V A BOSPITAL	0580	RALEIGH	NEW	37 47	81 11	2350	EST	4P	4P	41	41		CORPS OF ENGINEERS	2 3 5
BELINGTON	0633	BARBOUR	TYGART	39 02	79 56	1725	EST		7A		10		GEORGE R HILLYARD	3
BELLEVILLE DAM 20 LOWER	0645	WOOD	OHIO	39 09	81 45	600	EST		7A		31		LOCKMASTER	3
BENSON	0679	HARRISON	TYGART	39 09	80 03	1080	EST	4P	4P	23	23		R D MARTS	2 3 5
BENS RUN	0687	PLEASANTS	OBIO	39 27	81 07	652	EST	7P	7P	47	47		MRS C W REA	2 3 5
BERLIN	0718	LEWIS	WEST FORK	39 03	80 21	1050	EST		8A		2		MRS A P SWISHER	3
BIG SKIN CREEK	0824	LEWIS	WEST FORK	38 57	80 26	1050	EST		6P		8		ALBERT JEWELL	3
BLUEFIELD 1	0918	MERCER	BLUESTONE	37 16	81 13	2590	EST	5P	5P	49	53		NORFOLK & WESTERN RWY	2 3 5
BLUEFIELD 2	0923	MERCER	BLUESTONE	37 16	81 13	2590	EST		7A				OTA C KEENEY	3
BLUESTONE DAM	0939	SUMMERS	BLUESTONE	37 38	80 53	1408	EST	8A	8A	5	5		WILLARD F RUSSELL	2 3 5
BRANCHLAND	1075	LINCOLN	GUYANDOT	38 13	82 12	600	EST		7A		5		VERLIN H ADKINS	3
BRANDONVILLE	1083	PRESTON	CHEAT	39 40	79 37	1798	EST	10A	10A	6	16		JAMES I GALLOWAY	2 3 5
BRANDYWINE	1091	PENDLETON	SOUTH BRANCH-S FORK	38 38	79 14	1586	EST	6P	6P	31	31		MRS MARY M JOSEPH	2 3 5
BROWNSVILLE	1173	LEWIS	WEST FORK	39 03	80 29	1032	EST	4P	4P	24	24		M D HAWKINS	2 3 5
BRUSHY FORK	1196	HARRISON	WEST FORK	39 13	80 13	1030	EST		4P		1		MRS ABBIE PARKS	3
BRUSHY RUN	1204	PENDLETON	POTOMAC-S BRANCB	38 50	79 15	1375	EST		7A		9		JOHN B SHREVE	3
BUCKHANNON	1220	UPSHUR	BUCKHANNON	39 00	80 16	1459	EST	6P	6P	53	57		DR ARTHUR B GOULD	2 3 5
CABWAYLINGO STATE FOREST	1319	WAYNE	TWELVEPOLE CREEK	37 59	82 21	740	EST	6P	6P				FOREST CUSTODIAN	2 3 5
CAIRO 3 MI S	1328	RITCBIE	HUGHES	39 10	81 10	680	EST	6P	6P	42	38		EUREKA PIPE LINE CO	2 3 5
CAMDEN-ON-GAULEY	1363	WEBSTER	GAULEY	38 22	80 38	2029	EST		8A		46		WILLIAM F COMPTON	3 7
CANAAN VALLEY	1393	TUCKER	CHEAT	39 03	79 26	3250	EST	6P	6P	3	3		GEORGE B THOMPSON	2 3 5
CHARLESTON-KANAWHA CO AIRPORT	1570	KANAWHA	KANAWHA	38 22	81 36	950	EST		x				CIVIL AERO ADM	3 4
CHARLESTON 1	1575	KANAWHA	KANAWHA	38 21	81 38	615	EST	9A	9A	44	61		W VA WATER SERVICE CO	2 3 5
CHARLESTON 2	1580	KANAWHA	KANAWHA	38 21	81 38		EST		7A				JAMES R WOODFORD	3 7
CHARLESTON 3	1585	KANAWHA	KANAWHA	38 21	81 38	600	EST		MID				WILLIAM KESSLER	3 4
CLARKSBURG-BENEDUM FIELD	1672	HARRISON	WEST FORK	39 17	80 14	1188	EST	MID	x	8	8		U S AIRWAY STATION	2 3 4 5
CLARKSBURG 1	1677	HARRISON	WEST FORK	39 16	80 21	1015	EST	7A	7A	25	31	23	PERKINS BOYNTON	2 3 5 6
CLARKSBURG 2	1682	HARRISON	WEST FORK	39 17	80 20	1000	EST		6P		4		SAMUEL R PERINE	3 4
CLAY 1	1696	CLAY	ELK	38 28	81 05	790	EST		8A		34		LEWIS E WOOFTER	7
CLAY 2	1701	CLAY	ELK	38 28	81 04	650	EST		MID				MUNICIPAL WATER PLANT	3 4
COALWOOD	1798	MC DOWELL	TUG FORK	37 23	81 39	1450	EST	5P	5P	5	5		W A MC NEES	2 3 5
COBURN CREEK	1806	HARRISON	WEST FORK	39 15	80 26	1075	EST		5P		2		MISS I M GREATHOUSE	3
CRANBERRY GLADES	2013	POCAHONTAS	GREENBRIER	38 11	80 16	3400	EST	6P	6P	4	4		FEDERAL PRISON CAMP	2 3 5
CRAWFORD	2022	LEWIS	WEST FORK	38 52	80 26	1107	EST		6P		24		MISS BELLE BLAIR	3
CRESTON	2054	WIRT	LITTLE KANAWHA	38 57	81 16	656	EST		7A		47		MRS NELLIE B ARTHUR	3 7
DAILEY	2151	RANDOLPH	TYGART	38 49	79 53	1975	EST		7A		10		LAURA E FULWIDER	3
DAVIS	2209	TUCKER	CHEAT	39 08	79 27	312[illegible]	EST		MID		10		MARY DUMAS	3 4
DAVISSON RUN	2217	HARRISON	WEST FORK	39 16	80 24	100[illegible]	EST		6[illegible]		3		MRS I B ALESTOCK	3
DUCK CREEK	2488	HARRISON	WEST FORK	39 09	80 24	106[illegible]	EST		9A		2		MRS A ELEANOR TALBOTT	3
ELK	2701	HARRISON	WEST FORK	39 11	80 14	100[illegible]	EST		5[illegible]		11		MRS S R HARRISON JR	3
ELKINS 1	2713	RANDOLPH	TYGART	38 53	79 51		EST		7A				D M TYLER	3
ELKINS WB AIRPORT	2718	RANDOLPH	TYGART	38 53	79 51	2006	EST	MID	MID	4[illegible]	4[illegible]		U S WEATHER BUREAU	2 3 4 5 7
FAIRMONT	2920	MARION	MONONGAHELA	39 28	80 09	102[illegible]	EST	MID	MID	4[illegible]	56		GLENN L MILLAN	2 3 5
FINK RUN	3024	UPSHUR	BUCKHANNON	39 00	80 16	142[illegible]	EST		4[illegible]		[illegible]		MRS BERTHA M BILL	3
FLAT TOP	3072	MERCER	BLUESTONE	37 35	81 06	327[illegible]	EST	MID	1A	1[illegible]	1[illegible]		U S AIRWAY STATION	2 3 4 5
FRANKLIN	3215	PENDLETON	POTOMAC- S BRANCH	38 42	79 20	175[illegible]	EST		7A		11		DICK B MURPHY	3 4
FREEMANSBURG	3238	LEWIS	WEST FORK	39 06	80 32	103[illegible]	EST		MID		1[illegible]		EDDIE MC INTYRE	3 4
GARY	3353	MC DOWELL	TUG FORK	37 22	81 33	142[illegible]	EST	8A	8A	2[illegible]	31		E F KETTER	2 3 4 5
GLENVILLE 1	3544	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	6P	7A	53	5[illegible]		FRED W WELLS	2 3 5
GLENVILLE 2	3549	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	7A			5[illegible]		MRS KATHLEEN W WELLS	3 7
GRAFTON	3630	TAYLOR	TYGART	39 21	80 01	1100	EST	6[illegible]	6[illegible]	53	51		WILLIAM D MYERS	2 3 5
GRANTSVILLE	3648	CALHOUN	LITTLE KANAWHA	38 56	81 06	73[illegible]	EST	8A	8A	2	[illegible]		HOPE NATURAL GAS CO	2 3 5
HACKERS CREEK	3793	HARRISON	WEST FORK	39 08	80 26	102[illegible]	EST		5[illegible]		11		FOREST ENGELHARDT	3
HALL	3816	BARBOUR	BUCKHANNON	39 03	80 07	1375	EST		MID		[illegible]		MRS OPAL R JACKSON	3 4
HAMLIN	3846	LINCOLN	MUD	38 17	82 06	64[illegible]	EST	8A	8A	5	5		W VA WATER SERVICE CO	2 3 5
HARPERS FERRY	3927	JEFFERSON	POTOMAC	39 19	77 44	40[illegible]	EST		7A		59		MISS ELEANOR J WHITE	3 7
HARRISON	3935	MINERAL	POTOMAC- N BRANCB	39 22	79 12	170[illegible]	EST		8A		[illegible]		LEONARD E PAUGB	3
HASTINGS	3974	WETZEL	OHIO	39 33	80 40	80[illegible]	EST		3[illegible]		1[illegible]		L G MC INTYRE	3
BINTON 1	4170	SUMMERS	NEW	37 40	80 53	1431	EST	7A	7A	5[illegible]	5[illegible]		MRS M L MC CLUNG	2 3 5
BINTON 2	4175	SUMMERS	NEW	37 40	80 53		EST						LOCKMSTR LONDON LOCKS	7
BOGSETT GALLIPOLIS DAM LOWER	4200	MASON	OBIO	38 41	82 11	56[illegible]	EST		7A		1[illegible]		LOCKMASTER	3 7
BOGSETT GALLIPOLIS DAM UPPER	4201	MASON	OHIO	38 41	82 11		EST						LOCKMASTER	7
HORNER	4281	LEWIS	WEST FORK	38 59	80 22	1075	EST		4P		24		MAPLE H SUMMERS	3
BOULT LOCK 15 LOWER	4309	MARION	MONONGAHELA	39 34	80 08	882	EST		7A		2[illegible]		LOCKMASTER	3 7
BOULT LOCK 15 UPPER	4310	MARION	MONONGAHELA	39 34	80 08		EST						LOCKMASTER	7
HUNDRED	4369	WETZEL	OHIO	39 41	80 27	103[illegible]	EST		MID		1[illegible]		J A FURBEE	3 4
HUNTINGTON 1	4378	CABELL	OHIO	38 25	82 26	571	EST	6[illegible]	6P	51	52		H N ROBINSON	2 3 5
HUNTINGTON 2	4383	CABELL	OHIO	38 25	82 26	60[illegible]	EST		MID				U S ENGINEERS	3 4
IAEGER	4408	MC DOWELL	TUG FORK	37 28	81 49		EST		7A		1		MRS TINA L TANNER	3
INWOOD	4470	BERKELEY	POTOMAC	39 22	78 03	569	EST	5[illegible]	5[illegible]	13	1[illegible]			2 3 5
IRELAND	4478	LEWIS	WEST FORK	38 49	80 28	1142	EST		7A		11		PAUL H LOUDIN	3
ISAACS CREEK	4499	HARRISON	WEST FORK	39 12	80 30	1063	EST		5P		2		MRS C A MOORE	3
JANE LEW	4559	LEWIS	WEST FORK	39 06	80 25	1020	EST		4P		24		MRS RETA GOLDSMITH	3
JESSE RUN	4619	LEWIS	WEST FORK	39 06	80 20	1080	EST		7P		1		WIRT C MYERS	3
KANAWHA FALLS	4727	FAYETTE	KANAWHA	38 07	81 08		EST						LOCKMSTR LONDON LOCKS	7
KAYFORD	4755	KANAWHA	KANAWHA	38 01	81 27	1335	EST		7A		31		TRUAX-TRAER COAL CO	3
KEARNEYSVILLE	4763	JEFFERSON	POTOMAC	39 23	77 53	548	EST	4P	4P	17	18		UNIVERSITY EXP STA	2 3 5
KERMIT	4816	MINGO	TUG	37 50	82 25	620	EST		7A		23		ROY A DEMPSEY	3
KINGWOOD	4897	PRESTON	CHEAT	39 28	79 42	1890	EST	5P	5P	4	4		TOWN OF KINGWOOD	3

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
KNOBLY MOUNTAIN	4941	MINERAL	POTOMAC	39 22	79 00	1400	EST		7A		8		DAVID A ARNOLD	3
KUMBRABOW STATE FOREST	4971	RANDOLPH	TYGART	38 35	80 05	3210	EST	5P	5P	8	8		O C HAMILTON	2 3 5
LAKE FLOYD	4994	HARRISON	WEST FORK	39 17	80 30	1110	EST		6P		2		W M BENNETT	3
LAKE LYNN	5002	MONONGALIA	CHEAT	39 43	79 51	900	EST		MID		24		WEST PENN POWER CO	3 4
LAKIN	5010	MASON	OHIO	38 58	82 05	640	EST		MID				W VA AGR EXP FARM	3 4
LE SAGE-GREENBOTTOM	5055	CABELL	OHIO	38 33	82 17	550	EST	8A	8A	10	10		STATE FOREST NURSERY	2 3 5
LEWISBURG	5224	GREENBRIER	GREENBRIER	37 48	80 26	2250	EST	5P	5P	46	52		PROF H B GRAYBILL	2 3 5
LINDSIDE	5284	MONROE	NEW	37 27	80 40	2000	EST		8A		8		MRS K L BALLARD	3
LITTLE SKIN CREEK	5314	LEWIS	WEST FORK	38 58	80 25	1068	EST		6P		2		MRS ROY HAWKINS	3
LIVERPOOL	5323	JACKSON	OHIO	38 54	81 32		EST		MID				BROOKS E UTT	3 4
LOCKNEY	5341	GILMER	LITTLE KANAWHA	38 51	80 58	720	EST		MID				HOPE NATURAL GAS CO	3 4
LOGAN	5353	LOGAN	GUYANDOT	37 51	82 00	700	EST	8A	8A	21	35		J W RUFF	2 3 4 5 7
LONDON LOCKS LOWER	5365	KANAWHA	KANAWHA	38 12	81 22	623	EST	7A	7A	13	13		LOCKMASTER	2 3 5 7
LONDON LOCKS UPPER	5366	KANAWHA	KANAWHA	38 12	81 22		EST						LOCKMASTER	7
MAC FARLAN	5547	RITCHIE	HUGHES	39 05	81 12	670	EST		MID				FRANK P PRIBBLE	3 4
MADISON	5563	BOONE	LITTLE COAL	38 03	81 49	675	EST	8A	8A	26	27		W VA WATER SERVICE CO	2 3 5
MAN	5600	LOGAN	GUYANDOT	37 44	81 53	729	EST		5P		6		RUSSELL E WHITE	3
MANNINGTON 1 MI N	5621	MARION	MONONGAHELA	39 33	80 21	974	EST	6P	6P	46	46		JAMES A MORGAN	2 3 5
MANNINGTON 2	5626	MARION	MONONGAHELA	39 32	80 21	980	EST		8A		2		BENJAMIN S SMITH	3
MARLINTON	5672	POCAHONTAS	GREENBRIER	38 13	80 05	2150	EST		MID				CECIL A CURRY	3 4
MARTINSBURG MUNICIPAL AIRPORT	5707	BERKELEY	POTOMAC	39 24	77 59	545	EST	MID	MID	50	56		CIVIL AERO ADM	2 3 4 5
MATHIAS	5739	HARDY	LOST RIVER	38 52	78 52	1550	EST		MID				VIRGIL L MATHIAS	3 4
MC MECHEN DAM 13	5847	MARSHALL	OHIO	39 59	80 44	655	EST		7A		32		LOCKMASTER	3
MC NEILL 2 MI NE	5855	HARDY	POTOMAC-S BRANCH	39 09	78 54	800	EST	6P	6P	14	14		R E SAVILLE	2 3 5
MIDDLEBOURNE 3 MI SE	5963	TYLER	OHIO	39 29	80 52	750	EST	7A	7A	7	7		LAWRENCE A CRUMRINE	2 3 5
MIDVALE	5984	RANDOLPH	TYGART-MIDDLE FORK	38 56	80 06	1850	EST		7A		10		MRS RUTH G DARNALL	3
MOOREFIELD	6163	HARDY	POTOMAC-S BRANCH	39 04	78 58	800	EST	6P	MID	40	40		HAROLD J DODD	2 3 4 5
MORGANTOWN MUNICIPAL AIRPORT	6202	MONONGALIA	MONONGAHELA	39 38	79 55	1245	EST	MID	MID	2	2		CIVIL AERO ADM	2 3 4 5
MORGANTOWN 1	6207	MONONGALIA	MONONGAHELA	39 38	79 57	1050	EST	6P	6P	54	72		PROF L M PEAIRS	2 3 5
MORGANTOWN LOCK 10 LOWER	6212	MONONGALIA	MONONGAHELA	39 38	79 58	826	EST	7A	7A	26	26		LOCKMASTER	2 3 5 7
MORGANTOWN LOCK 10 UPPER	6213	MONONGALIA	MONONGAHELA	39 38	79 58		EST						LOCKMASTER	7
MOUNT CLARE	6276	HARRISON	WEST FORK	39 13	80 20	1040	EST		6P		11		MISS PAULINE HESS	3
NAOMA	6362	RALEIGH	COAL	37 52	81 30	1100	EST		MID		5		MRS SYLVIA H PETTERY	3 4
NEW CUMBERLAND DAM 9	6442	HANCOCK	OHIO	40 30	80 37	671	EST	6P	6P	53	50		C O VALENTINE	2 3 5
NEW MARTINSVILLE	6467	WETZEL	OHIO	39 39	80 52	637	EST	6P	6P	55	54		DR Z W ANKROM	2 3 5
OAK HILL	6591	FAYETTE	NEW	37 58	81 09	1950	EST	7A	7A	6	6		MILES H MARTIN	2 3 4 5
OMPS	6674	MORGAN	POTOMAC	39 30	78 17	950	EST		7A		2		MISS MARY O HOVERMALE	3
PARKERSBURG-WOOD CO AIRPORT	6849	WOOD	OHIO	39 21	81 26	837	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
PARKERSBURG WB CITY	6859	WOOD	OHIO	39 16	81 34	615	EST	7A	7A	59	63		U S WEATHER BUREAU	2 3 4 5 7
PARSONS	6867	TUCKER	CHEAT	39 06	79 40	1649	EST	5P	5P	49	49		D A OLIVER	2 3 5
PAW PAW	6876	MORGAN	POTOMAC	39 32	78 28		EST						MISS LILLIAN E HESSER	3
PETERSBURG WB CITY	6954	GRANT	POTOMAC-S BRANCH	39 00	79 07	1013	EST	MID	MID	9	9		U S WEATHER BUREAU	2 3 4 5
PHILIPPI	6982	BARBOUR	TYGART	39 04	80 03	1300	EST		7A		55		MRS HELEN M LEACH	3 7
PICKENS 2	6996	RANDOLPH	BUCKHANNON	38 39	80 13	2701	EST		7A		8		MRS ELSIE M ARMSTRONG	3
PIEDMONT	7004	MINERAL	NORTH BRANCH	39 29	79 02	1053	EST	5P	5P	34	33		C A SUTER JR	2 3 5
PINEVILLE	7029	WYOMING	GUYANDOT	37 35	81 32	1350	EST	7A	7A	5	5		WALTER C BYRD	2 3 5
POINT PLEASANT	7105	MASON	OHIO	38 51	82 08	540	EST	4P	7A	54	58		E C WINGER	2 3 5 7
POLK CREEK	7115	LEWIS	WEST FORK	39 03	80 34	1074	EST		5P		2		HOWARD CUNNINGHAM	3
PRINCETON	7207	MERCER	BLUESTONE	37 22	81 05	2410	EST		7A		18		W VA WATER SERVICE CO	3
RAINELLE 1	7306	GREENBRIER	GAULEY	37 55	80 51	2424	EST	6P	6P	17	17		L G SWING	2 3 5
RAINELLE 2	7311	GREENBRIER	GAULEY	37 55	80 51		EST		7A				BLUFORD L WHISMON	3
RAVENSWOOD DAM 22 LOWER	7352	JACKSON	OHIO	38 57	81 45	584	EST	4P	8A	25	33		LOCKMASTER	2 3 5 7
RAVENSWOOD DAM 22 UPPER	7353	JACKSON	OHIO	38 57	81 45		EST						LOCKMASTER	7
RENICK	7444	GREENBRIER	GREENBRIER	38 00	80 21	1950	EST		7A		32		MARY V MC FERRIN	3
RICHWOOD	7502	NICHOLAS	GAULEY	38 14	80 32	2193	EST	8A	8A	17	17		VIANIS S STOCKWELL	2 3 5
RIGHT FORK OF STONECOAL CREEK	7536	LEWIS	WEST FORK	38 54	80 26	1086	EST		3P		2		CREED R SUMMERS	3
RIPLEY	7552	JACKSON	OHIO	38 49	81 43	610	EST	4P	4P	2	2		R B PARSONS	2 3 5
ROANOKE	7598	LEWIS	WEST FORK	38 56	80 29	1050	EST		4P		24		MISS MARY A CONRAD	3
ROCKFORD	7658	HARRISON	WEST FORK	39 08	80 20	1035	EST		6P		11		CREED FOGG	3
ROHRBOUGH	7718	LEWIS	WEST FORK	38 59	80 30	1036	EST		4P		2		MISS ELAINE CUTRIGHT	3
ROMNEY	7730	HAMPSHIRE	POTOMAC-S BRANCH	39 21	78 45	824	EST	5P	5P	47	46		MARION W HAINES	2 3 5
ROWLESBURG 1	7785	PRESTON	CHEAT	39 21	79 40	1375	EST	7A	7A	6	63		WALTER H BOLYARD	2 3 5
ROWLESBURG 2	7790	PRESTON	CHEAT	39 21	79 40	1375	EST		6A				LAKE LYNN OPERATOR	3
SALEM	7883	HARRISON	WEST FORK	39 17	80 34	1047	EST	6P	6P	2	10		MISS LOIS M JONES	2 3 5
SAND FORK	7901	LEWIS	WEST FORK	38 54	80 25	1088	EST		5P		2		MRS J E WEIDLICH	3
SENECA STATE FOREST	8051	POCAHONTAS	GREENBRIER	38 18	79 56	2650	EST	5P	5P	7	7		FOREST CUSTODIAN	3
SHADY SPRINGS	8083	RALEIGH	NEW	37 42	81 03	2750	EST	5P	5P	7	7		C T KESSINGER	2 3 5
SHINNSTON	8145	HARRISON	WEST FORK	39 23	80 18	910	EST		6P		10		MRS HARDIN R HARMER	3
SMITHBURG	8274	DODDRIDGE	HUGHES	39 17	80 44	769	EST		MID		7		CHARLES F LOGSDON	3 4
SPENCER	8384	ROANE	LITTLE KANAWHA	38 48	81 21	789	EST	8A	8A	48	49		A M MC KOWN	2 3 5
SPRINGFIELD	8409	HAMPSHIRE	POTOMAC-S BRANCH	39 26	78 43	700	EST		7A		8		HARRY L GRACE	3 4
SPRUCE KNOB	8432	PENDLETON	POTOMAC-S BRANCH	38 42	79 32	4550	EST		7A		16		MOSES R BENNETT	3
STONY RIVER DAM	8536	GRANT	POTOMAC-S BRANCH	39 08	79 18	3300	EST	8A	8A		28		FRED BECKER	2 3 5
SUGARCAMP RUN	8580	LEWIS	WEST FORK	38 50	80 25	1180	EST		H		2		MRS BESSIE GREINER	3
SUMMERSVILLE	8608	NICHOLAS	GAULEY	38 17	80 51	1900	EST	8A	8A	12	12		ALLEN E DORSEY	2 3 4 5
SUTTON	8652	BRAXTON	ELK	38 40	80 42	900	EST	4P	4P	45	45		C B EAKLE	2 3 5
SUTTON 1 MI E	8657	BRAXTON	ELK	38 40	80 42	900	EST	MID					W E DUNCAN	3 4
SYCAMORE CREEK	8699	HARRISON	WEST FORK	38 14	80 25	1000	EST		6P		3		MRS GAY DAVISSON	3
TERRA ALTA 1	8777	PRESTON	CHEAT	39 27	79 31	2559	EST	6P	6P	47	37		HOPEMONT SANATARIUM	2 3 5
TERRA ALTA 2	8782	PRESTON	CHEAT	39 27	79 32	2620	EST		MID		10		B F MC CONNELL	3 4
THOMAS	8807	TUCKER	CHEAT	39 09	79 30	3000	EST		7A		19		WILLIAM SLEEMAN	3
TRIBBLE	8924	MASON	KANAWHA	38 41	81 50	630	EST		MID				NORMA RUTH CASTO	3 4
TYGART DAM	8986	TAYLOR	TYGART	39 19	80 02	1200	EST		MID		10		FRED E FLOYD	3 4
UNION	9011	MONROE	GREENBRIER	37 36	80 32	2200	EST	7A	7A	44	43		MRS THELMA F SPANGLER	2 3 4 5
UPPER DAVISSON RUN	9036	HARRISON	WEST FORK	39 16	80 26	1084	EST		5P		2		MRS A VANSCOY	3
UPPER SYCAMORE CREEK	9044	HARRISON	WEST FORK	39 14	80 27	1074	EST		7A		1		O A POST	3
VALLEY CHAPEL	9072	LEWIS	WEST FORK	39 06	80 24	1011	EST	4P	4P	24	24		ROSCOE H JACKSON	2 3 5

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION ZONE	TIME OF OBSERVATION TEMP.	TIME OF OBSERVATION PRECIP.	YEARS OF RECORD TEMP.	YEARS OF RECORD PRECIP.	YEARS OF RECORD EVAP.	OBSERVER	REFER TO TABLES
VALLEY HEAD	9086	RANDOLPH	TYGART	38 33	80 02	2425	EST		MID		10		KENT 8WECKER	3 4
VANDALIA	9104	LEWIS	WEST FORK	38 56	80 24	1120	EST		6P		24		MI88 MARY LEE HORNOR	3
VIENNA-BRISCOE	9168	WOOD	OHIO	39 21	81 32	634	EST	5P	5P	1	6		G J DICKEY	2 3 5
WARDENSVILLE R M FARM	9281	HARDY	CACAPON	39 06	78 34	1200	EST	9A	9A	30	29	8	UNIVERSITY EXP 8TA	2 3 5 6
WASHINGTON DAM 19	9309	WOOD	OHIO	39 16	81 42	600	EST		7A		31		LOCKMASTER	3
WAYNE	9321	WAYNE	TWELVEPOLE CREEK	38 13	82 26	598	EST		7A		23		MRS B F FERGUSON	3
WEBSTER SPRINGS	9333	WEBSTER	ELK	38 29	80 25	1560	EST	6P	6P	13	14		ROSCOE GREGORY	2 3 4 5
WELLSBURG 3 MI NE	9368	BROOKE	OHIO	40 19	80 35	668	EST	6P	6P	48	55		GEORGE P PFISTER	2 3 5
WEST MILFORD	9428	HARRISON	WEST FORK	39 12	80 24	979	EST		4P		22		SCOTLAND G HIGHLAND	3
WESTON	9436	LEWIS	WEST FORK	39 02	80 28	1026	EST	7A	7A	25	57		J ARTHUR HENRY	2 3 5
WHEELING-OHIO COUNTY AIRPORT	9487	OHIO	OHIO	40 11	80 38	1190	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
WHEELING WARWOOD DAM 12 LOWER	9492	OHIO	OHIO	40 06	80 42	659	EST	8A	8A	40	64		LOCKMASTER	2 3 5
WHEELING WARWOOD DAM 12 UPPER	9493	OHIO	OHIO	40 06	80 42		EST						LOCKMASTER	
WHITE SULPHUR SPRINGS	9522	GREENBRIER	GREENBRIER	37 48	80 18	1914	EST	5P	5P	35	34		GREENBRIER HOTEL	2 3 5
WILLIAMSON	9605	MINGO	TUG FORK	37 40	82 17	673	EST	8A	8A	46	47		NORFOLK & WESTERN RWY	2 3 5
WINFIELD LOCKS	9683	PUTNAM	KANAWHA	38 32	81 52	571	EST	7A	7A	10	10		LOCKMASTER	2 3 5
YAWKEY	9805	LINCOLN	MUD	38 14	81 58		EST		MID				EMMETT W VALENTINE	3 4

NEW STATIONS

BERKELEY SPRINGS	0710	MORGAN	POTOMAC	39 37	78 14	640	EST	6P	6P				HENRY M RUPPENTHAL III	2 3 5

REFERENCE NOTES

The four digit identification numbers in tbe index numher column of the Station Index are assigned on a state hasis. There will he no duplication of numbers witbin a state.

Stations appearing in tbe Index, hut for whicb data are not listed in tbe tahles, are either missing or received too late for inclusion in this issue.

Delayed data and corrections will be carried only in tbe June and December issues of tbis bulletin.

Data in Tahles 3, 5 and 6 are for tbe 24-bours ending at time of observation. See tbe Station Index for observation time.

Unless otberwise indicated, dimensional units used in this bulletin are: Temperature in °F., precipitation and evaporation in inches, river stages in feet, and wind movement in miles.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped witb windsbield.
- 6 No recording gage, precipitation is measured at 6-bourly intervals.
- m One or more days of record missing; see Table 5 for detailed daily record.
- r Station equipped witb recording gage only. All amounts in Table 3 are from tbe non-recording gages, except for stations witb tbis reference.
- x Daily precipitation totals in Table 3 are for the 24-bours ending at 1:30 A.M., E.S.T., of tbe following day.
- z Hourly amounts from tbe recording gage at tbe same site may be found in Table 4.
- T Trace, an amount too small to measure.

When bourly precipitation is accumulated over a period of 3 or more calendar days, with unknown bourly or daily distribution, the first and last days are sbown in Table 4.

When bourly precipitation is missing for several days, only tbe first and last days are sbown in Table 4.

Data in Table 4 were formerly publisbed in tbe Hydrologic Bulletins for North Atlantic District and Obio River District. Amounts in tbis table are from recording gages. Traces are not sbown.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly suhscription includes Annual Summary. Correspondence regarding suhscriptions sbould he addressed to tbe Weatber Records Processing Center, Federal Building, Albany 1, N.Y.)

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CLIMATOLOGICAL DATA

WEST VIRGINIA

NOVEMBER 1948

Volume LVI No. 11



ALBANY: 1949

WEST VIRGINIA - NOVEMBER 1948

Victor T. Horn, Section Director - Parkersburg, W. Va.

GENERAL SUMMARY

The mean temperature, 47.8°, was 4.5° above normal. Not many days were below normal and there were but few hard freezes in the lower valleys. However, cool nights, heavy morning fogs and dews were common with some dews lasting until noon.

Precipitation was 56 percent above normal, making it a rather wet month. On the average, measurable rain fell on one-half the days with each two or three dry days being followed by two or three wet ones. It was very wet the last few days of the month in most places. A forest fire, said to be of incendiary origin, near the little mining town of Standard in Raleigh County, burned over 1500 acres of forest land before the rain of the 19th quenched it. Snowfall was very light and soon melted or evaporated even in the mountain sections.

Outdoor activities were hindered by the frequent rains which kept the ground wet; heavy hauling onto the fields or to construction sites was made somewhat difficult. Warmer than usual weather favored such work as pouring concrete, but made it more than usually hard for the farmer to butcher and save his meat. Winter grains showed good growth during the month. Pastures held up better than usual; however, stockmen were doing some dry feeding as early as the 15th. An unusually large crop of black walnuts was secured this year. Practically all trees and most of the bushes were dormant by the close of the month. ---C.L.W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 77 stations, was 47.8°, or 4.5° above the normal. The mean for the northeastern panhandle division was 47.2°; for the northern division, 47.4°; and for the southern division, 48.2°. The highest monthly mean was 51.8° at Huntington No.1; and the lowest, 42.3° at Terra Alta No.1. The highest temperature was 89° at Madison on the 6th; and the lowest, 17° at Summersville on the 13th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 79 stations, was 4.30 inches, or 1.54 inches above the normal. In the northeastern panhandle division, the average was 3.51 inches; in the northern division, 3.99 inches; and in the southern division, 4.71 inches. The greatest monthly precipitation was 6.57 inches at Cranberry Glades, and the least, 2.53 inches at Smithburg.

The greatest amount in any observational day was 1.80 inches at Kayford on the 29th. The average monthly snowfall was 0.2 inch, or 2.1 inches below the normal. The greatest monthly snowfall was 5.0 inches at Kumbrabow State Forest. The average number of days with 0.01 inch or more of precipitation was 15.

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network Stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages--mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related works by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal Agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S.Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

STATIONS	SEA LEVEL PRESSURE EXTREMES—INCHES				WIND				RELATIVE HUMIDITY AVERAGES				SUNSHINE	DEGREE DAYS 65° BASE
	HIGHEST	DATE	LOWEST	DATE	AVERAGE SPEED M.P.H.	MAXIMUM SPEED M.P.H.	DIRECTION	DATE	1:30A EST	7:30A EST	1:30P EST	7:30P EST	AVERAGE PERCENT	
ELKINS WB AIRPORT	30.48	8	29.52	20	7.3	35	W	20	82	90	61	72	46	603
PARKERSBURG WB CITY	30.39	8	29.43	19	6.5	21	NW	13					43	474
PETERSBURG WB CITY	30.50	8	29.60	20		23	W	13	84	88	59	72		531

TABLE 1
COMPARATIVE DATA

YEAR	TEMPERATURE			PRECIPITATION			YEAR	TEMPERATURE			PRECIPITATION		
	MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 OR MORE		MEAN	HIGHEST	LOWEST	AVERAGE	AVERAGE SNOWFALL	DAYS WITH .01 OR MORE
1891	42.5	80	8	3.04		8	1921	46.1	85	11	5.99	.8	13
1892	41.7	81	3	3.10			1922	43.8	80	2	1.15	1.3	6
1893	41.4	74	3	2.12		8	1923	42.3	73	10	3.49	.7	11
1894	39.8	82	5	2.11		8	1924	42.9	87	9	2.05	4.1	9
1895	44.6	87	12	2.35		9	1925	40.6	78	6	3.66	.9	9
1896	48.1	80	10	3.50		8	1926	40.7	82	4	3.59	.6	9
1897	45.0	76	13	4.45		13	1927	48.1	82	7	4.35	1.6	12
1898	41.4	75	- 3	2.84		10	1928	44.0	81	9	3.31	2.9	12
1899	45.6	76	14	1.93	T	8	1929	42.9	83	- 9	4.52	3.6	13
1900	45.5	86	9	5.20	2.8	10	1930	42.3	80	-14	1.42	4.8	9
1901	38.0	79	7	2.51	4.3	7	1931	51.3	88	11	1.81	.2	9
1902	50.3	83	12	3.27	.7	7	1932	40.9	85	0	3.34	.2	8
1903	38.0	80	- 4	2.46	4.6	9	1933	41.4	88	- 5	1.98	6.6	11
1904	41.2	75	9	.64	1.4	4	1934	46.6	80	8	3.30	1.0	9
1905	41.8	74	10	2.44	T	9	1935	46.0	88	2	2.80	1.1	12
1906	44.2	84	13	2.39	2.2	6	1936	41.3	85	1	2.54	1.8	7
1907	41.8	74	13	3.40	1.0	9	1937	40.9	78	- 3	1.56	3.6	11
1908	43.3	81	0	1.14	5.2	5	1938	44.7	86	-10	3.96	11.0	9
1909	49.1	84	12	1.34	.2	7	1939	40.8	80	10	.96	2.2	6
1910	37.3	75	5	1.95	1.8	9	1940	43.2	80	4	3.27	3.8	11
1911	40.5	83	7	2.74	2.0	8	1941	44.3	80	6	2.31	.2	7
1912	42.8	78	2	1.69	.9	6	1942	44.7	80	9	3.81	.2	12
1913	44.5	82	- 1	4.49	13.4	10	1943	41.1	83	2	2.12	2.3	7
1914	42.6	84	2	1.32	2.9	5	1944	42.5	79	5	2.22	2.4	12
1915	45.2	85	11	3.06	1.1	9	1945	44.9	84	4	5.29	3.1	14
1916	43.8	81	8	1.77	.3	6	1946	48.4	86	10	1.67	T	7
1917	39.6	78	0	.89	1.5	10	1947	42.0	74	3	3.03	1.0	11
1918	42.9	79	12	1.89	.2	6	1948	47.8	89	17	4.30	T	15
1919	44.4	80	10	4.51	.3	10							
1920	41.6	80	5	3.21	4.1	10	PERIOD	43.4	89	-14	2.79	2.3	9

CLIMATOLOGICAL DATA

Table 2

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
NORTHEASTERN PANHANDLE DIVISION																		
BAYARD	42.7	3.6	75	6	18	26		18	3.60	.60	.55	6	1.0	T	29	14	7	
BERKELEY SPRINGS	47.8		75	6	23	26		12	3.56		.65	29	1.0			16	7	
BRANDYWINE	47.8 m	5.8	73	5+				11	3.35	1.57	.84	22	3.0			11	4	
KEARNEYSVILLE 1 NW	49.5	4.5	75	6	25	26		7	4.34	1.74	1.08	7				18	5	1
MARTINSBURG MUNICIPAL AIRPORT	47.3 m	4.1	74	6	26	26		9	3.64	1.39	.70	28	T	T	28	15	6	
MC NEILL 2 NE					19	18		15	3.02	1.47	.70	28				13	6	
MOOREFIELD	49.0		76	6	24	18+		9	2.82		.92	29				11	5	
PETERSBURG WB CITY	47.2		79	5	24	18+		14	3.22		.73	28	3.0	3.0	28	13	7	
PIEDMONT 1 SE	46.3	4.1	71	6	25	26		9	3.59	1.70	1.24	29	2.0	1.0	29	18	5	1
ROMNEY	48.2	5.1	76	19	23	26		11	3.55	1.77	.81	6	T	T	29	18	4	
WARDENSVILLE R M FARM	46.7	2.8	76	7	22	18		17	3.97	2.34	.96	29				15	4	
DIVISION	47.2								3.51									
NORTHERN DIVISION																		
BENSON	47.9	4.8	83	5	21	24		15	4.24	.75	1.00	29				17	8	1
BENS RUN	49.6	5.5	83	7	28	11+		10	4.13	1.24	.54	28				15	8	
BRANDONVILLE	44.4		80	6	20	26		14	4.63	1.32	1.16	29	T			12	9	1
BROWNSVILLE	49.1	4.5	84	5	21	12		14	4.62	.95	.79	29				15	8	
BUCKHANNON	47.4	5.2	82	5	22	11+		12	4.48	1.38	.66	29				18	11	
CAIRO 3 S	49.1	5.4	86	5	23	14		13	4.36	1.48	.81	6				12	8	
CANAAN VALLEY	43.1		73	5	19	18		15	3.30		.48	29	2.0			17	5	
CLARKSBURG NO 1	45.4	2.6	85	6	19	25+		18	3.31	.12	.99	29				16	5	
ELKINS WB AIRPORT	45.0	5.7	75	5	21	18		18	3.55	.77	.91	6	T			15	6	
FAIRMONT	47.9	5.0	84	5	26	25+		16	3.07	.31	.49	28				15	6	
GLENVILLE NO 1	49.5	5.2	86	5	25	18+		11	4.46	1.41	1.15	29				17	6	1
GRAFTON	46.6	3.5	83	5	22	11		15	3.79	1.36	.68	29				14	8	
GRANTSVILLE	47.4		85	6	19	21		19	4.63		1.15	29				13	7	1
HASTINGS	46.3		82	5	22	16		14	4.56	1.70	1.05	29				15	7	1
KINGWOOD	46.6		78	5	27	8+		13	4.11		.89	28				11	7	
KUMBRABOW STATE FOREST	42.7		68	5	18	11			6.23		1.30	6	5.0	2.0	28	20	8	1
MANNINGTON 1 N	47.8	5.8	85	5	20	25		14	3.73	.69	.92	29				15	6	
MIDDLEBOURNE 2 ESE	48.3 m		85	6	23	25			3.91		.93	29				10	7	
MORGANTOWN MUNICIPAL AIRPORT	48.3		83	5	25	25		10	3.68		.57	6	T			15	8	
MORGANTOWN NO 1	49.5 m	5.5	85	5	28	18+		8	3.26	.73	.60	6				14	6	
MORGANTOWN LOCK 10	51.7		87	5	28	18			4.02	.87	.98	29				16	5	
NEW CUMBERLAND DAM	48.3	6.7	83	5	27	25		8	3.15	.83	.52	29				16	6	
NEW MARTINSVILLE	48.9	4.1	81	5	26	11+		11	3.53	.69	.78	6				11	6	
PARKERSBURG WOOD CO AIRPORT	48.3		83	5	26	25		8	3.47		.89	28	T			11	5	
PARKERSBURG WB CITY	49.4	5.6	83	5	28	25		7	3.67	1.10	.91	28	T			13	5	
PARSONS	47.4	6.2	79	5	22	11		11	3.93	1.00	.68	6	T			18		
PICKENS NO 1					20	26		21	5.66	1.44	1.43	6	T			12	8	1
ROWLESBURG NO 1	47.2		83	6	26	26		16	4.00	.45	.62	7				13	9	
TERRA ALTA NO 1	42.3	1.7	78	6	22	18+							1.5					
VALLEY CHAPEL	49.9	4.9	83	5	23	25		14	4.11	.84	.93	29				14	8	
VIENNA BRISCOE	49.5				26	11+		11	4.01		.70	6				14	8	
WELLSBURG 3 NE	46.6	4.8	84	5	21	12		13	3.31	.74	.58	29				9	6	
WESTON	48.3	4.3	84	6	27	26		14	4.96	2.02	.78	29				16	9	
WHEELING OHIO CO AIRPORT	47.0		83	5	23	25		9	2.76		.63	6	T			13	4	
WHEELING WARWOOD DAM 12	47.2	5.0	85	6	28	25		11	3.07	.64	.72	29	T			13	5	
DIVISION	47.4								3.99									
SOUTHERN DIVISION																		
ATHENS	47.8		74	5	23	11		8	5.11		1.45	28				16	7	1
BECKLEY V A BOSPITAL	47.0	3.7	77	5	22	11+		13	4.34	1.75	.95	29				15	9	
BLUEFIELD NO 1	48.5	3.6	72	5	28	11		3	4.55	2.50	1.10	28				17	7	1
BLUESTONE DAM 3 S	49.0		80	6	28	11+		13	3.75		1.32	29				17	5	1
CABWAYLINGO STATE FOREST	49.7		87	5	23	14		13	5.40		1.32	6				13	7	1
CHARLESTON KANAWHA AIRPORT	49.4		85	5	26	11		11	4.32		1.37	28	T			14	6	1
CHARLESTON NO 1	49.8	1.9	88	6	27	14		9	5.18	2.11	1.24	29				16	7	2
COALWOOD	50.5		83	6	25	11+		10	4.39		.89	28				16	5	
CRANBERRY GLADES	42.4		71	1	18	11		17	6.57		.89	6	0.7	T	29+	18	10	
FLAT TOP	43.6	3.6	72	5	20	14		13	4.63	2.19	1.32	28	T	T	29	7	1	
GARY	48.7	3.7	83	6	26	14+		16	3.82	1.12	1.27	29				16	5	1
BAMLIN	47.2		88	6	20	14		15	5.79		.98	29				13	7	
HINTON NO 1	49.3	5.2	81	6	27	18		12	4.36	1.95	1.27	29				18	6	1
HUNTINGTON NO 1	51.8	7.5	87	5	28	11+		8	5.29	2.77	.95	6				14	9	
LE SAGE GREENBOTTOM									5.69							17		
LEWISBURG	46.8	4.9	74	5	21	11		12	4.71	2.23	1.14	28				16	7	1
LOGAN	50.7	3.4	87	6	29	14		11	4.71	1.48	1.28	29				15	7	1
LONDON LOCKS	50.2 m	5.0	85	6	30	14		5	4.17	1.26	1.41	29				17	6	1
MADISON	49.0	5.5	89	6	25	14		13	4.57	1.92	1.02	29				10	7	1
OAK HILL	47.2		78	6	23	11		10	4.34		1.36	29				18	6	1
PINEVILLE	46.3		83	6	20	17		16	4.02		1.29	29				15		1
POINT PLEASANT	51.1	5.8	84	5	26	25		7	5.23	2.40	1.09	29				19	7	1
RAINELLE NO 1	45.2	4.9	74	5	21	11+		13	6.07	3.08	.99	28				18	11	
RAVENSWOOD DAM 22	50.1	4.4	86	5	23	25		11	4.62	1.90	1.05	29				16	7	1
RICHWOOD	47.6	5.2	75	5	23	14		11	3.62	.73	1.20	29				14	6	1
RIPLEY	49.6 m		86	5	24	11+		12	4.61		1.01	29				15	7	1
SHADY SPRINGS	44.7		79	5	19	11+		13	4.44		1.36	29				14	8	1
SPENCER	48.8	4.7	83	6	25	11+		11	4.54	1.87	1.23	29				14	5	1
SUMMERSVILLE	45.1		72	4	17	13		15										
SUTTON	49.4	5.4	79	5+	24	26		12	4.84	1.64	.80	29				12	9	
UNION	45.5	3.1	76	6	19	11		17	4.37	2.03	1.43	29				16	5	1
WEBSTER SPRINGS	50.4		78	5+	26	11		11	4.32		.85	6				13	6	
WHITE SULPHUR SPRINGS	47.4	5.3	74	5	20	11		14	4.53	2.25	1.13	28				16	8	1
WILLIAMSON	50.8	5.2	88	6	28	14+		13	4.15	1.33	1.24	29				8	5	2
WINFIELD LOCKS	49.3		87	6	29	14+		9	5.03	2.33	1.43	29				15	7	1
DIVISION	48.2								4.71									
STATE	47.8	4.5							4.30	1.54								

See reference notes following Station Index.

Table 3

DAILY PRECIPITATION

WEST VIRGINIA

NOVEMBER 1948

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERDEEN	.49		.45			.64	.06		.11	.24			.17				.05		.15	.26		.36	.03			T	.48	.18	.79	.02		4.48
ALPENA	.26		T				.94			.09			.17							.13		.17	.06				.45		.85			3.12
ARDOVALE	.25		.28			.15			.42	.13			.15				.08		.73			.20		.07	T		.45	1.15				4.06
ARNOLD	.47		.50			.70	.08		.15	.30			.29				.05		.22	.43		.35	.05			T	.43	.40	.74			5.16
ATHENS	.12		.17		T	.50			.12	.38			.20				.08		.38			.34	T	.04	.14	.03	.48	1.45	.66	.02		5.11
BARTOW	.37	•	.46			•		.85	.60	.15			•		.18	.15			-			.94	T			•	•	1.50	.21			-
BAYARD	.20		.38	.02		.55	T		.23	.06	T		.31						.22	.32		.30	.03				.25	.20	.53			3.60
BECKLEY V A HOSPITAL	.25	T	.24	.08		.35			.26	.30	.01		.10				.13		.28			.37	.01				.37	.64	.85			4.34
BERLINGTON	.33			.12		.04	.81			.55	.21		.05	.12			.03			.28		.11	.39				.38	.02	.75	.16		4.35
BELLEVILLE DAM 20	.51		.14	.27		.64	.23			.05	.28		.10				.10		.04	.38		T	.10				.70		1.00	T		4.54
BENSON	.46		.32			.46	.02			.18	.02		.28				.05		.12	.28	.04	.35	.05			.02	.49	.10	1.00			4.24
BENS RUN	.09		.30		.42	.41				.42		T	.06				.05		.22		.31	.13	.02			.21	.50	.54	.45			4.13
BERKELEY SPRINGS	.11	.01	.29	.13		.40	.32	.10	.10	.01	T	T	T				.02		.30	.60		.30					.05	.17	.65	T		3.56
BERLIN	.40			.49		.05				.32	.73		.19				.22					.21	.49				.46		1.00	.07		4.63
BIG SKIN CREEK	.46			.46				.15	1.02	.08					.05				.40				.35			T	.47	.25	.95			4.64
BLUEFIELD NO 1	.08	T	.34	T	T	.21	.35	T	.08	.21		T	.16					.04	.43	.06		.30	.03	T	.10	.04	.31	1.10	.71	T		4.55
BLUEFIELD NO 2	.10	.04	.12	.22		.05	.60			.09	.18		.13				.05		.12	.38		.20	.12	.03	.08		.43	.30	1.47	.21		4.92
BLUESTONE DAM 3 S	.15	T	T	.31	T	.03	.40	T		.15	.11		.11				.10		.03	.28		.14	.03	.02	T		.36	.20	1.32	.01		3.75
BRANCHLAND	.71		.23	.01		.79	.35			.07	.40		.25	T			.04			.36		.05	.14				.46	.45	1.24	.03		5.58
BRANDONVILLE	.27	.04				.47			.49				.32	.26				.19	.	.54		.12	.36				.41		1.16	T		4.63
BRANDYWINE	.19	T	.41	.42	.15					.08			.05						.24			.84		.15				.20	.62			3.35
BROWNSVILLE	.47		.46			.65			.12	.22			.23				.05		.16	.29		.35	.05				.49	.28	.79	.01		4.62
BRUSHY FORK	.54	.07	.20			.37	.21		.09	.16			.35			.10			.12	.26		.31	.04					.58	.65	.05		4.10
BRUSHY RUN	.14	T	T	.48			.41			.29			.02							.57		.12	.14				.09		1.17	.10		3.53
BUCKHANNON	.32		.42	.03		.46	.02		.29	.27			.28				.04		.12	.26		.38	.03			.03	.40	.44	.66	.03		4.48
CANAWAYLINGO STATE FOREST	.45		.28			1.32				.60							.08		.14	.16		.17		.04		.10	.37	.93	.76			5.40
CAIRO 3 S	.25		.26			.81				.43			.01					.20	.40		.12					.16	.52	.50	.70			4.36
CAMDEN ON GAULEY	.34			.04		.04	.45			.54	.55		.19	.04			.04		.03	.04		.12	.12				.66	.22	1.07	.04		4.53
CANAAN VALLEY	.21	.02	.14	.02		.36	.12		.23	.08			.24				.12		.23	.05		.25	.03				.26	.46	.48			3.30
CHARLESTON KANAWHA AP	.05		.19			.60	.02			.41			.10			.03	.03		.33			.22	T	T		.39	.15	1.37	.43			4.32
CHARLESTON 1	1.02		.17	.02		.45	.18			.11	.33		.08				.05		T	.33		.08	.13				.55	.43	1.24	.01		5.18
CHARLESTON 3 r	.06		.13			.55				.38			.08						.33			.19				.36	.13	1.26	.35			3.82
CLARKSBURG NO 1 z	.35			.37		.02	.34			.03	.07		.11	.02			.04		.10	.22		.07	.24				.31		.99	.03		3.31
CLARKSBURG NO 2	.22		.40			.46			.03	.13			.21				.05		.20	.23		.34	.02			.02	36	.35	.76			3.78
CLAY 1	.43			.10		.13	.28			.15	.16		.10	.07			.06		.04	.44		.16	.17				.42		1.65	.07		4.43
CLAY 2 r			.10			.42			.11	.27			.11				.03		.40	.01		.29				.14	.21	1.17	.50			3.76
COALWOOD	.19		.11	.04		.28			.04	.23			.17				.15		.18	.24		.56	.02			.08	.53	.89	.68			4.39
COBURN CREEK			1.20	.05						.40									.25	.13		.40	.04				.04	.70	.85			4.06
CRANBERRY GLADES	.38		.75	.57		.89	.53		.37	.40	.05		.21				.18		.37	.12		.18	.03		T		.51	.68	.15	.20		6.57
CRAWFORD	.26		.35			.66			.31	.23			.21				.04		.11	.37		.44				.07	.45	.50	.60			4.60
CRESTON	.53	T	.05	.23		.45	.35			T	.41		.21				.10		.07	.40	T	.06	.15				.70		1.13			4.84
DAILEY	.25	.02		.07			1.12			.46	.11		.05	.03			.02		T	.45		.09	.17				.22	T	.72	.12		3.90
DAVIS r				.30		.71	.08		.18				.39			.08	.11		.22	.07		.28					.35	.63	.31			3.71
DAVISSON RUN	.18		.09			.44			.01	.20			.22						.08	.34		.31	.03			.01	.18	.45	.72	.02		3.28
DOCK CREEK	.46	.02	.06			.02	.10			.20	.10		.26	.03			.04		.13	.28		.18	.20				.41	.18	.82	.02		3.51
ELK	.40					.56			.30	.20									.70			.40					.42		1.04			4.02
ELKINS WB AIRPORT z	.04		.09	T		.91	.04		.42	.11		T	.20			T	.05		.05	.22		.30	T			.05	.29	.40	.38			3.55
FAIRMONT	.02		.34			.44			.02	.17			.14			.02	.01		.26	.15		.28				.15	.20	.49	.38			3.07
FINK RUN	.33		.45			.50	.06		.30	.28			.28				.07		.18	.32		.37	.07				.48	.49	.68			4.86
FLAT TOP z	.21		.35			.36	T		.09	.15		T	.21				.15		.35	.09		.30	.01	.05	T	.15	.36	1.32	.48	T		4.63
FRANKLIN r			.60			.60			.10										.64	.06		.20				.03	.08	1.08	.36			3.75
FREEMANSBURG r	.06		.18			.23			.05	.14			.20			.01	.03		.21	.12		.27				.29	.11	.61	.40			2.91
GARY z	.15		.04	.05		.04	.46		T	.02	.18		.15				.15		.03	.25		.22	.05	T			.50	.26	1.27			3.82
GLENVILLE NO 1	.46	T	T	.26		.18	.34			.04	.24		.14	.17			.06		.07	.54		.09	.18				.47	.04	1.15	.03		4.46
GLENVILLE NO 2	.46	T	T	.26		.18	.34			.04	.24		.14	.17			.06		.07	.54		.09	.18				.47	.04	1.15	.03		4.46
GRAFTON			.28			.43			.11	.31			.11			.06			.23	.41		.43	.03			.01	.43	.27	.68			3.79
GRANTSVILLE	.45		.28			.52	.22			.30			.20	.05		.05			.55			.24					.61	.01	1.15			4.63
HACKERS CREEK	.50		.43			.49			.08	.14			.23						.21			.63				.05	.38	.24	.80			4.18
HALL z	.37			.29		.02	.38			.33	.21	.06	.08	.04			.03		.09	.38		.09	.29				.39		.91	.09		4.05
HAMLIN	.84		.23			.97	.22				.37		.20				.04			.39		.08	.15				.52	.80	.98			5.79
HARPERS FERRY	.09	T	T	.23	T	T	1.10			.28	.15		.19				.05			1.05			.20	.09	.08	T	.22		1.40	.15		5.28
HARRISON	.20		.01	.48			.33			.24			.06	.12				.11	.29			.19	.17				.12		1.00	.06		3.38
HASTINGS	.27		.28	.02		.80	.09			.35			.12				.06		.12	.50		.07	.05				.68	.10	1.05			4.56
HINTON NO 1	.26	.01	T	.35		.03	.43			.22	.16		.18				.15		.10	.39		.14	.03	.06	T		.38	.19	1.27	.01		4.36
HOGSETT GALLIPOLIS OAM		.85		.20		.72	.13			.05	.30		.04				.02		T	.38		T	.08				.90		1.12	T		4.79
HORNER	.44	.02	.43			.57			.33	.25							.35					.62	.24				.44	.68	.42	T		4.79
HOULT LOCK 15	.31			.35		.04	.50			.03	.16		.11	.10			.07		.05	.45		.03	.28				.40	.01	1.01			3.90
HUNDRED r	.01		.29			.57				.29			.10						.50	.10		*	.20			.34	.18	*	1.35			3.93
HUNTINGTON NO 1	.38		.48			.95	.03			.36		T	.05				.03		.20	.31		.10				.50	.44	.82	.64			5.29
HUNTINGTON NO 2 // r	.02		.44			.97				.30			.04						.30			.09				.76	.12	1.16	.18			4.38
JAEGER	.20			.11		.11	.33			.06	.28		.15				.15			.27		.22					.67	.19	1.27	.03		4.04
JAMES CREEK	.30		.34						.04				.14				.04		.10	.34		.35	.05			.05	.45		.50	.55		3.25
JANE LEW	.35		.46			.62	T		.11	.27	T		.19						.24	.28		.34	.05			T	.39	.42	.57			4.29
JESSE RUN	.30		.50			.71				.38			.31				.06					.63				.07	.36	.18	.84			4.34
KAYFORD	.12		.20				.05	.06		.08				.14			.10		.05	.15			.30				.10		1.80			3.15
KEARNEYSVILLE 1 NW	.08		.14	.21	.02		1.08		.08	.06	.09		.10				.04		.38	.24		.26	T	.05	.05		.18	.38	.90			4.34
KERMIT	.18					.43	.09			.06	1.66		.16				.12			.41		.14					.33		1.67			5.25
KINGWOOD	.30		.43			.60			.45	.13			.12						.23	T		.61	.08				.27	.89	T			4.11
KOONLY MOUNTAIN	.25	.05		T	.51		.65			.10			T	T			T		T	.65		.50					T		1.20	T		3.91
LUMBRABOW STATE FOREST	.17	.01	.08	.01		1.30	.13		.37	.27	.01		.37				.22		.20	.20		.30	.05			.02	.84	.73	.91	.04		6.23
LAKE FLOYD	.26	T	.34			.47	T		T	.24			.23				.10		.18	.29		.25				.03	.44	.40	.80			4.03
LAKE LYNN z	.21	T		.12		T	.56			.02	.23		.04	.08					.03	.44		T	.25			.03	.38		.56			2.92
LAKIN	.02		.52			.75				.25						.04	.01		.24			.09				.49	.20	.98	.15			3.74
LE SAGE GREENBOTTOM	•	•	1.28			.84			•	.52	•		.06				.04		.11	.35		.02	.08			.51	.56	•	1.32			5.69
LEWISBURG	.23		.39			.31	.03		.22	.09			.19						.67	.04		.31		.05	.13	.01	.50	1.14	.40			4.71
LINDSIDE	.06						.51			.17	.35		.03						.10	.40		.27			.42		.38	.36	1.40			4.45
LITTLE SKIN CREEK	.36		.44			.68	.08		.22	.24			.33				.07		.15	.25		.35	.08			.06	.45	.40	.70	.05		4.91
LIVERPOOL r	.31					.95				.25			.13			.03	.02		.40	.02		.10				.48	.17	.79	.24			3.89
LOCKNEY r			.23			.54	.02			.26			.23						.39	.13		.10				.31	.18	.79	.44			3.62
LOGAN z	.37	T	.10	T		.48	.43			.08	.33		.09	T			.05			.48		.14	.06				.70	.08	1.28	.04		4.71
LONDON LOCKS	.44	.03	.05	.04		.06	.25			.03	.38		.12	T			.04		T	.35		.08	.12	T			.68	.02	1.41	.07		4.17
MACTARLAN r	.65		.31			.68				.34			.09				.07		.46			.10				.40	.20	.85	.28			6.33 v
MADISON	.64		.10			.45				.50	.37									.24		.15					.65	.45	1.02			4.57
MAN										.99								.22								.40	.38	.92	.58	.13		3.62
MANNINGTON 1 N	.25		.28			.53	.03			.21			.23				.05		.20	.27		.15	.03			.04	.42	.12	.92			3.73
MANNINGTON NO 2	.31			.29		.14	.38			.02	.16		.09	.08					.09	.30		T	.14	T			.41	T	1.00	.04		3.45
MARLINTON r	.01		.87			.62			.31	.05		.04	.12				.17		.71			.13				.20	.28	1.19	.25			4.75
MARTINSBURG MUNICIPAL APz	.02	T	.33	T		.64			.10	.06		.05	.04			T	.07		.64	T	J.	.33	T	.04	T	.02	.22	.70	.38			3.64
MATHIAS r	.04		.20			.75				•			.12						.87			.25				.03	.09	.52	.88			3.75
MECHEN OAM 13	.14			.22		.32	.30			.02	.26		.03	.13			.01		.06	.50			.01				.42		1.05	.02		3.49
MC NEILL 2 NE	.12	.03	.30		.04	.46	.05		.10	T	.05		T						.16	.46		.29					.26	.70				3.02
MIDDLEBOURNE 2 ESE	.46	T	.25				.71			T	.40		T	.08			.03		T	.52			.07				.46		.93			3.91
MIDVALE	.30	.03		.15		.15	.85			.64	.31		.09	.10					.04	.45		.20	.31				.50		1.05	.15		5.12
MOOREFIELD z	.12	T	T	.40			.40			.02	.03									.35		.10	.25				.10		.92	.13		2.82
MORGANTOWN MUNICIPAL AP	.10		.15			.57	.02		.02	.19			.25			T	.03		.29	.31		.31				.16	.38	.40	.50			3.68
MORGANTOWN NO 1 •	.21		.25			.60			.05	.18		.01	.24			.01		T	.25	.09		.25					.21	.41	.50			3.26
MORGANTOWN LOCK 10	.21	.04		.19		.04	.63			.03	.19		.09	.23		•	.03		.07	.57		T	.26				.41		.98	.05		4.02
MOUNT CLARE	.49		.60					.08		.20			.26					.03	.20			.50						.63	.73			3.72
NAOMA z			.45			.02	T			T	.36		.13	T						.49		.12	.26				.60	.20	1.47	.05		4.15
NEW CUMBERLAND OAM 9	.28		.33	T		.47	.03			.23		.01	.10		T		.05		.20	.27		.05	.01			.07	.41	.12	.52			3.15
NEW MARTINSVILLE			.40	T	T	.78				.41			T				.06		.24	.35		.11				.12	.51	.41	.14			3.53
OAK HILL z	.10		.03	.30		.07	.16			.47	.27		.08	.04			.10		.07	.28		.14	.15				.53	.12	1.36	.07		4.34
OPS			•	.41		-	-			.60							.05		-	-		-		.10			-	-	.10			-
PARKERSBURG WOOD CO AP	T	T	.37		T	.79	T			T		T	.02			.03	.01		.27	T		.14				.62	.21	.89	.12			3.47
PARKERSBURG WB CITY	T		.37			.81	.02			.19		T	.01			.07	.02		.33			.10				.59	.18	.91	.07			3.67

See reference notes following Station Index.

Table 3—Continued

DAILY PRECIPITATION

Station	Day of month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
PARSONS	.27		.24	.01		.88	.08		.28	.11		*	.27			*	.05		.06	.37		.32	.03			T	.35	.27	.54			3.8
PETERSHURG WB CITY	.02	T	.40			.48			.27	.01		T	.01			T	T		.47	.01		.34		T	T	.02	.05	.73	.41			3.2
PHILIPPI	.40	.04		.32		.03	.42			.27	.20		.10	.11			.07		.05	.55		.12	.32				.44	.03	.87	.09		4.4
PICKENS 1	T		.03			1.43			.53	.34			.24						.12	.40		.31	.05				.70	.81	.60	T		5.6
PICKENS NO 2	.28	T		.03		.13	1.30			.51	.32		.18	.05			.09		T	.52		T	.35	T			.70		1.41	.10		5.9
PIEDMONT 1 SE	.16	.01	.06	.58	.02	.07	.22		.18	.02			.02				.05		.38	.25		.28	.05				.05	.01	1.24			3.5
PINEVILLE	.25		.05			T		.22	T	.05	*	.29	.19				.19		T	.25		.23	.10				.71	.18	1.29	.02		4.0
POINT PLEASANT	.82	.02	.35	.16		.82			T	.08	.30	.07	.02				.08		.05	.25	.02	.02	.09				.84	.03	1.08	.02		5.2
POLK CREEK	.40		.37			.44			.10	.24			.25				.07		.27	.28		.37	.01			.07	.41	.35	.71			4.3
PRINCETON 1 SW	.07		.05	.12		.03	.38			.10			.28				.08		.05	.28		.26	.04	.05	.08		.43	.18	1.53	.04		4.0
RAINELLE NO 1	.42	T	.60	.04	.01	.44		.01	.35	.63	T		.20						.80	.28		.27	.03			.04	.56	.99	.58	.02		6.0
RAVENSWOOD DAM 22	.68		.12	.23		.60	.34			.02	.30		.02				.05		.03	.31		.02	.05				.78		1.05	.04		4.6
RENICK	.25			.74		T	.49			.34	.05		.15				.19		.22	.50		.18	.07	T			.78	.20	1.43	T		5.5
RICHWOOD	.28					.28				.12	.27		.15				.13		.04	.28		.17	.05				.34	.18	1.20	.12		3.6
RIGHT FORK OF STONECOAL	.45		.41			.65			.14	.27			.32				.07		.17	.28		.48	.03				.48	.30	.75	.05		4.8
RIPLEY	.10	.01	.33			.95	.03			.36			.15				.03		.13	.27		.18				.20	.53	.35	1.01			4.6
ROANOKE	.44		.50			.68			.28	.14			.23				.09		.14	.34		.33				.13	.38	.39	.74	.03		4.8
ROCKFORD	.40		.49			.62			.13	T	.20		.20				T		.24			.85					.38	.32	.70			4.3
ROHRBOUGH	.44		.47			.64			.15				.21						.19	.27		.35	T				.47	.28	.78			4.2
ROMNEY	.24	.03	.20	.07	.02	.81	.07		.24	.03		.03	.02					.24		.25		.20				.01	.08	.38	.87			3.5
ROWLESBURG NO 1	.35			.35			.62			.33	T		.28	T			.08		.05	.48		.05	.32				.40	T	.54	.13		4.0
ST MARYS		.01	.11	.19		.82	.11		.03	.09	.21				.02		.02		.07	.39		T	.12				.73		.89			3.8
SALEM	-		.54		.58					-	-		-	-			T		.76			.56				-	-	-	-	-	-
SAND FORK	.40		.41	T		.67	.03		.24	.23	T		.26				.05		.16	.42		.40	.01	T		.02	.48	.47	.68	.01		4.9
SHADY SPRINGS	.17		.25	.31			.29			.07	.30		.13				.13			.40		.08	.10				.51	.34	1.38			4.4
SHINNSTON	.53		.25	.13		.41				.35			.15				.10		.40	.31		.06	.18			.10	.24	.59	.72			4.5
SMITHBURG r			.35			.71				.18			.14			.01	.08		.31	.07		.18				.08	.07	.19	.14			2.5
SPENCER		.03	.18			.63	.18			.07			.43				.10		.04	.49		.08	.15				.74	.18	1.23			4.5
SPRINGFIELD r	.04		.38						.24	1.10									.40	.02		.01	.08			.21		.55	.35			3.3
SPRUCE KNOB	.15	.03	.27	.38				.42		.19							.02		.03	1.06		.11	.05				.32	T	.67	T		3.7
STONY RIVER DAM	.15		.28	.40			.47			.20	.08		.07	.18			.23		.05	.44		.10	.12				.07		.48			3.3
SUGARCAMP RUN	.48		.14	.18		.47	T		.38	.52	T		.14				.29		T	.37		.22	.25				.50	.43	.72	T		5.0
SUTTON	.48		.17			.48			.30	.32			.16						.11	.43		.42					.41	.76	.80			4.8
SYCAMORE CREEK	.33		.43			.42			.02	.26			.20			.06			T			.35		.02		.15		.75	.20	.05		3.2
TERRA ALTA NO 1	-		-		.15	.45			.40	.10			-					.15	.25			.30	.40				-	-	-			-
TERRA ALTA NO 2 r			*			*	.83		.30	.02		.09	.20						*			-	-							-		-
THOMAS	.22	.04		.28			.63			.25	.12		.03	.21			.13			.36		.05	.28				.43	.02	.75	.25		4.0
TRIBBLE r			.30			1.04				.42			.05				.05		*	.28		.15				.62	.11	1.18	.25			4.4
TYGART DAM r	.02		.25			.35			.10	.26			.12						.43	.07		.40				.18	.19	.48	.45			3.3
UNION z	.15		.04	.10		T	.15			.13			.23				.07		.08	.42		.35	T	.06	.23		.53	.35	1.43	.05		4.3
UPPER DAVISSON RUN	.29		.32	.02		.38	.05		.01	.27			.23				.07		.20	.30		.27	.04			.01	.40	.28	.90	.01		4.0
UPPER SYCAMORE CREEK				.51			.32	T	.02	.05	.22	.01	.12	.02				.11	.05	.30		.12	.23	T			.43	T	1.23	.12		3.8
VALLEY CHAPEL	.37		.40			.52	.03		.04	.19		.25	T						.13	.33		.31	.05			T	.43	.13	.93			4.1
VALLEY HEAD z	.14	T		.18		T	.80			.10	.23		.15	T			T		T	.34		.12	.12				.45		1.01	.14		3.7
VANDALIA	.42	.02	.42	T		.62			.26	.28			.25				.08		.16	.38		.40	.06			.04	.38	.44	.69			4.9
VIENNA BRISCOE 2 N	.38		.40			.70	.01			.25	T	T	.02				.07		.12	.38		.13				.29	.50	.18	.57			4.0
WARDENSVILLE R M FARM	.13			.27	.04		.89			.08			.08	T			.01		T	.77		.09	.18	.03	.15		.15		.96	.14		3.8
WASHINGTON DAM 19			.12	.37		.53	.17			.04	.15		.03				.10		.04	.31		T	.10				.71		1.00	.02		3.6
WAYNE	.12		.40	T		1.11				.38	T		.10				.05		.12	.24		.19					.60	1.07	.60			4.9
WEBSTER SPRINGS z	.22					.85			.48	.22			.16				.05		.08	.12		.25	T			.07	.49	.73	.60			4.3
WELLSBURG 3 NE	.39		.28			.53				.21			.20						.18	.50						T	.43	T	.58			3.3
WEST MILFORD	.45		.42			.45			.05	.18			.22				.05		.19	.30		.33	.05			.05	.40	.15	.94	.05		4.2
WESTON	.44			.42			.64			.12	.32		.18	.15			.06		.08	.48		.09	.34				.42	.06	.78	.38		4.9
WHEELING OHIO CO AIRPORT	T		.18	T		.63	T			.31			.16			.01	.01		.45	.01		.06				.24	.16	.43	.11			2.7
WHEELING WARWOOD DAM 12	.10			.21		.33	.28			.01	.22		.03	.07			T		.06	.58			.01				.44		.72	T		3.0
WHITE SULPHUR SPRINGS	.25		.26			.21	.01		.15	.07			.15				.08		.45	.02		.35		.06	.34	T	.50	1.13	.50			4.5
WILLIAMSON			.10			1.11				.46			.11						.35			.15					.63		1.24			4.1
WINFIELD LOCKS	.64		.12	.14		.38	.51			.01	.36		.10				.03		T	.40		.05	.17				.67	T	1.43	.02		5.0

See reference notes following Station Index.

Table 4

HOURLY PRECIPITATION

WEST VIRGINIA

NOVEMBER 1948

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
CHARLESTON KANAWHA AIRPORT 6		.46	*	*	*	*	*	.03																	
CHARLSTON 3	.01	.01	.02	.01	.01																				.06
ELKINS W8 AIRPORT	.02	.01			.01																				.04
FLAT TOP //	.02	.01	.02																						.05
FREEMANS8URG				.01		.01	.01	.02	.01																.06
GARY //	.01	.01			.02																				.04
HUNDRED			.01																						.01
HUNTINGTON 2	.01		.01																						.02
LAKE LYNN						.01	.01																		.02
LAKIN	.02																								.02
LIVERPOOL	.01	.01	.01				.02	.05	.13	.05	.02	.01													.31
LOGAN	.01	.01	.01																						.03
MACFARLAN	*	*	*	*	*	*	*	.65																	.65
MARLINTON	.01																								.01
MATHIAS	.01		.01	.01	.01																				.04
MOOREFIELD	.01	.01																							.02
MORGANTOWN MUNICIPAL AIRPORT 6	*	.05	*	*	*	*	*	.04							*	*	*	*	*	.04					
NAOMA	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
OAK HILL	.02	.01		.01	.02	.01	.01																		.08
PARKERS8URG WOOD CO AIRPORT 6	*	.08																							
PETERS8URG W8 CITY 6	*	.11	*	*	*	*	*	*	*	*	*	*													
SPRINGFIELD	.01	.01	.01	.01																					.04
SUMMERSVILLE //	.04	.01	.01		.01	.02	.02	.01																	.12
TYGART DAM						.01		.01																	.02
UNION	.02	.02																							.04
—3d—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.08	*	*	*	*	*	.11											
CHARLESTON 3							.03	.07	.02	.01															.13
CLARKS8URG 1									.01	.01	.07	.05	.02	.06	.05	.01									.28
CLAY 2						.01			.01	.03			.04	.01											.10
ELKINS WB AIRPORT											.01		.03	.01	.04										.09
FLAT TOP //								.10	.04	.10	.09	.02	.01												.36
FRANKLIN											.09	.01	.05	.20	.13	.01	.04	.06	.01						.60
FREEMANS8URG								.01	.02	.07	.01	.02	.03	.01	.01										.18
GARY //									.01	.02	.01	.01													.05
HALL										.01	.09	.02	.04	.03	.01	.01									.21
HUNDRED										.01	.18	.02	.01	.02	.04	.01									.29
HUNTINGTON 2				.02	.07	.08	.18	.07	.02																.44
LAKE LYNN											.01	.03	.06	.01											.11
LAKIN				.02	.13	.10	.09	.11	.07																.52
MOCKEY								.02	.03	.10	.01	.03	.04												.23
OGAN							.07	.03																	.10
MACFARLAN								.01	.06	.10	.05	.08	.01												.31
MARLINTON										.09	.03	.05	.15	.23	.01	.03	.07	.01							.67
MARTINS8URG MUNICIPAL AIRPORT														.01	.01	.05	.08	.10	.02	.02	.01			.04	.34
MATHIAS												.01	.01		.04	.07	.02	.01	.01	.02	.01				.20
MOOREFIELD												.03	.07	.01	.09	.08	.01	.02	.03	02	.01	.01	.01		.39
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.12	*	*	*	*	*	.03					
OAK HILL				.02	.01																				.03
PARKERS8URG WOOD CO AIRPORT 6			*	*	*	*	*	.02	*	*	*	*	*	.35											
PARKERS8URG WB CITY						.01	.03	.06	.07	.17	.01	.02													.37
PETERS8URG WB CITY 6	*	.01							*	*	*	*	*	.08	*	*	*	*	*	.31					
SMITHBURG									.04	.06	.12	.02	.06	.03			.02								.35
SPRINGFIELD												.01	.01	.09	.01	.12	.03	.02	.01	.02	.05	.01			.38
SUMMERSVILLE //										.04	.02	.02	.05		.01										.14
TERRA ALTA 1										.01	.03	.12	.05	*	*	*	*	*	*	*	*	*	*	*	*
TRIBBLE				.02	.05	.02	.01	.09	.10				.01												.30
TYGART DAM										.05	.11	.04	.04	.01											.25
UNION	.01	.01	.01						.04	.01	.01	.01	.02												.12
VALLEY HEAD										.04	.02	.03	.07	.03											.19
WHEELING OHIO CO AIRPORT 6									*	*	*	*	*	.18											
—4th—																									
AVIS									.02	.03	.04	.04	.02	.05	.05	.04	.01								.30
BARY //								.04	.01																.05
BARTINS8URG MUNICIPAL AIRPORT	.01																								.01
BAK HILL								.16	.03	.04	.06	.01	.01	.01	.01										.33
—6th—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.16	*	*	*	*	*	.44											
CHARLESTON 3						.05	.16	.13	.04	.15	.02														.55
CLARKS8URG 1							.01	.01	.06	.07	.02	.08	.06	.03	.01	.01									.36
CLAY 2						.05	.01	.03	.05	.13	.01	.02	.05	.07											.42
DAVIS										.01	.05	.20	.05	.12	.18	.10									.71
ELKINS WB AIRPORT									.16	.11	.13	.07	.12	.04	.23	.01		.04							.91
FLAT TOP //											.05	.04	.11	.14											.34
FRANKLIN										.02	.07	.01	.10	.10	.28	.02									.60
FREEMANS8URG						.01	.02	.03	.06	.04	.01	.03	.02	.01											.23
GARY //									.01	.03	07	.26	.03		.03	.01									.44
HALL							.02	.01	.02	.05	.03	.08	.03	.06	.02										.32
HUNDRED					.05	.02	.09	.02	.15	.05	.12	.07													.57
HUNTINGTON 2		.06	.05	.13	.16	.24	.19	.05	.01	.01															.97
LAKE LYNN							.01	.01	.03	.09	.07	.11	.04	.16	.01										.51
LAKIN			.02	.18	.22	.18	.13	.02																	.75
LIVERPOOL				.04	.05	.16	.17	.19	.12	.16	.04		.01					.01							.95
LOGAN					.09	.07	.03	.01	.13	.07	.05	.07										.01		.01	.54
MACFARLAN					.06	.09	.12	.17	.09	.22	.10	.01	.01												.87
MARLINTON				.03	.02	.06	.14	.12	.14	.07	.09	.01													.68
MARTINS8URG MUNICIPAL AIRPORT									.08	.16	.05	.07	.03	.10	.11	.01	.01								.62
MATHIAS																		.06	.28	.23	.05				.62
MOOREFIELD										.01	.01					.13	.14	.18	.26	.02					.75
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.04	*	*	*	*	*	.06	.02	.07	.17	.03	.01	.01	.01	.01	.01		.40
OAK HILL									.04	.01		.06	.03	.46	*	*	*	*	*	.07					
PARKERS8URG WOOD CO AIRPORT 6			*	*	*	*	*	.59	*	*	*	*	*	.01	.01										.16
PARKERS8URG WB CITY			.07	.03	.11	.21	.14	.16	.08					.20											
PETERS8URG WB CITY 6									*	*	*	*	*	.03	*	*	*	*	*	.45				.01	.81
SMITHBURG					.02	.05	.08	.12	.15	.09	.16	.04													
SUMMERSVILLE //									.01	.07	.03	.05	.06	.07	.02	.01	.01								.71
TRIBBLE			.03	.05	.12	.22	.18	.26	.08	.09	.01														.33
TYGART DAM							.03	.03	.08	.03	.07	.06	.04	.01											1.04
UNION										.02	.01		.01	.04	.04										.35
VALLEY HEAD								.07	.01	.02	.07	.10	.04	.27	.09	.03	.05								.12
WEBSTER SPRINGS								.05	.07	.08	.03	.11	.05	.31	.05	.04		.01							.75
WHEELING OHIO CO AIRPORT 6			*	*	*	*	*	.38	*	*	*	*	*	.25											.80

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4-Continued

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—7th—																									
CHARLSTON KANAWHA AIRPORT 6	*	.02																							
DAVIS			.05	.03																					.08
ELKINS WB AIRPORT			.01	.01	.02																				.04
GARY //			.02	.01																					.03
LOCKNEY	.02																								.02
LOGAN	.02	.01	.01																						.04
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.02																	
PARKERSBURG WB CITY	.02																								.02
SUMMERSVILLE //		.01	.03	.01																					.05
TERRA ALTA 2	*	.62																							.83
—9th—																									
CLAY 2									.04	.01	.04	.01	.01												.11
DAVIS						.01	.01	.03	.02	.02	.02	.03	.02	.02											.18
ELKINS WB AIRPORT										.01	.10	.02	.06	.16	.06		.01								.42
FLAT TOP //									.01	.02	.05	.02													.10
FRANKLIN							.03	.01	.03	.02		.01													.10
FREEMANSBURG										.01		.01	.01						.01			.01			.05
GARY //									.01	.02		.01	.01												.05
HALL										.03	.04	.10	.15	.01											.33
MARLINTON										.04	.02	.04	.03	.09	.06	.03									.31
MARTINSBURG MUNICIPAL AIRPORT																	.01	.02	.04	.02					.09
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.02											
OAK HILL		.02	.01							.07	.12	.08	.02	.01											.33
PETERSBURG WB CITY 6									*	*	*	*	*	.26	*	*	*	*	*	.01					
SPRINGFIELD										.05	.11	.05	.02		.01										.24
SUMMERSVILLE //									.03	.02	.05	.17	.03												.30
TERRA ALTA 2											.02	.01	.09	.18											.30
TYGART DAM											.02	.06	.01					.01							.10
UNION											.05	.02	.01	.01	.01										.10
VALLEY HEAD											.01	.02	.03	.03	.01										.10
WEBSTER SPRINGS									.01	.10	.07	.11	.08	.04	.01	.01	.01								.44
—10th—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.02	*	*	*	*	*	.38	*	*	*	*	*	.01					
CHARLESTON 3								.01	.06	.04	.06	.13	.08												.38
CLARKSBURG 1							.02	.02	.01																.05
CLAY 2							.02	.01	.02	.02	.05	.03	.08	.03	.01										.27
ELKINS WB AIRPORT											.04	.01		.02	.02	.01	.01								.11
FLAT TOP //										.02	.02	.01	.05	.04	.01										.15
FREEMANSBURG							.01	.01	.01	.01	.01	.03	.04	.01	.01										.14
GARY //										.07	.04	.02	.03	.01											.17
HALL										.03	.02	.01	.02	.02	.08	.01									.19
HUNDRED				.01	.01	.01	.03	.02	.02	.02	.03	.04	.03	.05	.01	.01									.29
HUNTINGTON 2								.02	.08	.08	.07	.04	.01												.30
LAKE LYNN									.03	.02	.05	.01	.04	.02	.02	.01									.20
LAKIN								.03	.03	.09	.05	.03	.01	.01											.25
LIVERPOOL								.08	.01	.03	.06	.04	.02	.01											.25
LOCKNEY									.07	.01	.04	.04	.05	.04	.01										.26
LOGAN						.01	.07	.02	.06	.06	.08	.06	.04	.01											.41
MACFARLAN							.02	.06	.04	.01	.07	.08	.03	.02	.01										.34
MARLINTON											.03	.02													.05
MARTINSBURG MUNICIPAL AIRPORT															.01			.01							.02
MATHIAS								*	*	*	*	*	*	*	*	*	*	*	*	*					*
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.15	*	*	*	*	*	.04					
OAK HILL									.07	.04	.04	.02	.07	.04	.01	.01	.01								.31
PARKERSBURG WOOD CO AIRPORT 6			*	*	*	*	*	.05	*	*	*	*	*	.22											
PARKERSBURG WB CITY							.03	.02	.02	.05	.04	.02	.01												.19
PETERSBURG WB CITY 6									*	*	*	*	*	.01											
SMITHBURG								.01	.03		.01	.03	.04	.04	.01	.01									.18
SPRINGFIELD														.09	.31	.21	.41	.07		.01					1.10
SUMMERSVILLE //									.04	.02	.04	.04	.02	.04	.04	.01	.01								.26
TERRA ALTA 2											.01	.01													.02
TRIBBLE							.08	.06	.04	.07	.07	.03	.04	.03											.42
TYGART DAM					.03		.01	.01	.02	.01	.01	.04	.06	.03	.02	.02									.26
UNION						.01	.01					.02	.01	.03	.04										.12
VALLEY HEAD											.02	.02	.01	.01	.05	.02		.01							.14
WEBSTER SPRINGS					.02				.01	.04	.06	.02	.01	.07	.03	.02	.01								.29
WHEELING OHIO CO AIRPORT 6			*	*	*	*	*	.07	*	*	*	*	*	.22	*	*	*	*	*	.02					
—11th—																									
MOOREFIELD					.01	.01	.01	.01																	.04
OAK HILL											.02	.01													.03
—12th—																									
MARLINTON																					.01	.02	.01		.04
MARTINSBURG MUNICIPAL AIRPORT																							.03	.02	.05
TERRA ALTA 2																						.01	.02	.06	.09
UNION																						.01	.01	.01	.03
—13th—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.10																	.08
CHARLESTON 3			.02	.02	.03	.01																			.10
CLARKSBURG 1					.01	.03	.02	.02	.02																.11
CLAY 2				.03	.02	.02	.01			.03															.39
DAVIS					.01	.01	.07	.02	.07	.05	.11	.05													.20
ELKINS WB AIRPORT				.01	.02	.03	.02	.01	.01	.03	.03	.02	.02												.25
FLAT TOP //		.02		.07	.08	.03	.02	.01	.01	.01															.20
FREEMANSBURG				.08	.03	.02	.02	.03	.01	.01															.11
GARY //				.06	.02				.02	.01															.17
HALL					.03	.05	.01	.01	.02	.05															.10
HUNDRED								.01	.02	.06			.01												.04
HUNTINGTON 2									.03	.01															.13
LAKE LYNN					.01	.01	.02	.02	.02	.02	.01	.01	.01												.13
LIVERPOOL		.01		.04	.02	.01			.04	.01															.23
LOCKNEY				.05	.05	.04	.06			.03															.08
LOGAN		.04		.01	.01			.01	.01																.09
MACFARLAN	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.09					.12
MARLINTON	.01	.01		.01	.02	.02	.05																		.01
MARTINSBURG MUNICIPAL AIRPORT	.01																								.12
MATHIAS		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.12					
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.09	*	*	*	*	*	.16											.10
OAK HILL			.01	.01	.01	.01	.03	.01	.02																
PARKERSBURG WOOD CO AIRPORT 6									*	*	*	*	*	.02											.01
PARKERSBURG WB CITY								.01																	
PETERSBURG WB CITY 6									*	*	*	*	*	.01											.14
SMITHBURG					.04	.05	.01	.01	.01				.02												.22
SUMMERSVILLE //				.02	.05	.05	.01	.03	.02	.04															.20
TERRA ALTA 2				.01	.01	.05	.03	.07	.02	.01															

See reference notes following Station Index.

Station	A. M. Hour ending												P. M. Hour ending											Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
TRIBBLE				.02	.02	.01																			
TYGART DAM				.02	.02	.01	.02	.03		.01			.01												.05
UNION		.01			.01	.03	.01																		.12
VALLEY HEAD		*	*	*	*	*	*	*	*	*	*	*	*	.20											.06
WEBSTER SPRINGS				.02	.02	.04			.01	.03	.01														.20
WHEELING OHIO CO AIRPORT 6			*	*	*	*	*	.08	*	*	*	*	*	.08											.13
													—16th—												
DAVIS																							.05	.03	.08
FREEMANSBURG																						.01			.01
GARY //										.01			.01			.01	.01								.04
LAKIN																						.03		.01	.04
LIVERPOOL																							.01	.02	.03
PARKERSBURG WB CITY																							.04	.03	.07
SMITHBURG																					.01				.01
UNION																							.01	.01	.02
													—17th—												
CHARLESTON KANAWHA AIRPORT 6	*	.04	*	*	*	*	*	.02																	
CLAY 2									.01	.01	.01														.03
DAVIS	.01		.01	.01	.01	.03	.02	.02																	.11
ELKINS WB AIRPORT			.01	.01	.02	.01																			.05
FLAT TOP //		.04	.04	.02	.03	.03																			.16
FREEMANSBURG		.02	.01																						.03
GARY //		.02	.01		.01	.04																			.08
LAKIN		.01																							.01
LIVERPOOL	.01	.01																							.02
LOGAN		.04	.01																						.05
MACFARLAN	.01	.01	.01	.02	.02																				.07
MARLINTON	.05	.05	.02	.05																					.17
MARTINSBURG MUNICIPAL AIRPORT		.01	.01	.01	.01																				.04
MORGANTOWN MUNICIPAL AIRPOBT 6	*	.01	*	*	*	*	*	.02																	
PARKERSBURG WOOD CO AIRPORT 6	*	.04																							
PARKERSBURG WB CITY	.01	.01																							
SMITHBURG	.01	.03	.03	.01																					.02
SUMMERSVILLE //		.01	.04	.01																					.08
TRIBBLE									.02	.03															.06
UNION	.01	.01																							.05
WEBSTER SPRINGS							.01																		.02
WHEELING OBIO CO AIRPORT 6	*	.02																							.01
													—19th—												
CHARLESTON KANAWHA AIRPORT 6									*	*	*	*	*	.06	*	*	*	*	*	.08					
CHARLESTON 3											.03	.01	.01	.01	.07							.05	.15		.33
CLARKSBURG 1	.11	.04	.01	.01																					.17
CLAY 2						.01	.03								.03	.04								.29	.40
DAVIS					.02	.03	.03	.01	.09	.01						.01	.01					.01			.22
ELKINS WB AIRPORT								.02								.01	.02								.05
FLAT TOP //				.01	.01	.04		.02				.03	.01	.14	.07	.01	.04		.01					.09	.48
FRANKLIN							.01	.02	.17	.01					.09	.18	.10	.02		.01		.01	.01	.01	.64
FREEMANSBURG							.02	.02	.01	.01	.01					.03	.01	.01						.09	.21
GARY //												.01	.01	.03	.02	.01	.01		.01				.16	.01	.27
HALL					.01	.01	.03	.03							.03	.02									.13
HUNDRED						.04	.02	.04	.05	.01					.03	.03	.04	.03		.01	.01	.01		.18	.50
HUNTINGTON 2								.05	.01	.01	.01	.01			.02							.19			.30
LAKE LYNN							.08	.01	.01	.03	.01					.01	.02	.01	.05	.01					.24
LAKIN															.02	.01	.01	.01				.07	.11	.01	.24
LIVERPOOL															.02	.02	.01		.01				.31	.03	.40
LOCKNEY	.01	.01				.01	.03								.01	.04		.01	.02	.02			.01	.22	.39
LOGAN										.01	.08	.02			.01	.01						.13	.19	.01	.46
MACFARLAN	.01	.04	.01					.01	.01						.05	.03	.03	.02	.01				.16	.08	.46
MARLINTON							.09	.23	.05	.01	.02			.05	.15	.03	.02	.01	.01	.03	.01				.71
MARTINSBURG MUNICIPAL AIRPORT										.09	.01	.14	.06				.02	.01	.12	.13	.03	.04		.01	.66
MATHIAS									.06	.03	.04	.01					.08	.15	.17	.10	.18	.02		.03	.87
MOOREFIELD									.03	.03	.04					.01		.14	.05						.30
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.07	*	*	*	*	*	.10	*	*	*	*	*	.12					
OAK BILL		.01	.03	.03		.01	.01							.02	.09									.14	.34
PARKERSBURG WOOD CO AIRPORT 6			*	*	*	*	*	.07							*	*	*	*	*	.05					
PARKERSBURG WB CITY				.01	.01		.01		.02							.03	.02	.01					.19	.03	.33
PETERSBURG WB CITY 6									*	*	*	*	*	.15	*	*	*	*	*	.31	*	*	*	*	
SMITHBURG			.01	.01	.01	.02	.02	.03	.01	.01	.01					.02	.03	.01	.02	.02				.08	.31
SPRINGFIELD								.01	.02	.08	.07	.03				.01	.01	.05	.02	.07	.01	.01	.01		.40
SUMMERSVILLE //						.01	.01																		.02
TERRA ALTA 2		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TRIBBLE								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
TYGART DAM				*	*	*	*	.13	.01		.01	.01	.01	.01	.01	.01	.01	.01		.01	.01		.01	.18	.43
UNION						.01	.05	.01		.01				.24	.03	.07	.03	.01	.01	.01					.48
VALLEY HEAD								.04	.02	.01	.01	.01			.01	.10	.07	.02	.01	.01					.28
WEBSTER SPBINGS															.01	.01	.01								.03
WHEELING OHIO CO AIRPORT 6			*	*	*	*	*	.09	*	*	*	*	*	.02	*	*	*	*	*	.14					
													—20th—												
CHARLESTON KANAWHA AIRPORT 6	*	.19																							
CLAY 2	.01																								.01
DAVIS	.01	.03	.03																						.07
ELKINS WB AIRPORT		.21	.01																						.22
FRANKLIN	.04	.01	.01																						.06
FREEMANSBURG	.12																								.12
HALL	.24	.02																							.26
HUNDRED	.10																								.10
LAKE LYNN	.10	.13																							.23
LIVERPOOL		.01	.01																						.02
LOCKNEY	.03				.04	.03	.03																		.13
MARTINSBURG MUNICIPAL AIRPORT	.01	.01		.01	.01																				.04
MOOREFIELD	.01	.01		.02																					.04
MORGANTOWN MUNICIPAL AIRPORT 6	*	.20	*	*	*	*	*	.11																	
PARKERSBURG WOOD CO AIRPOBT 6	*	.15																							
PETERSBURG WB CITY 6	*	.01	*	*	*	*	*	.01																	
SMITHBURG	.07																								.07
SPRINGFIELD				.02																					.02
TRIBBLE	*	*	*	*	*	*	*	.28																	.28
TYGABT DAM	.07																								.07
WEBSTER SPRINGS	.07	.02																							.09
WHEELING OBIO CO AIRPORT 6	*	.21																							
													—22d—												
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.07	*	*	*	*	*	.08	*	*	*	*	*	.05					
CHARLESTON 3					.02	.01	.02			.01	.01	.01	.06	.04	.01										.19
CLARKSBURG 1		*	*	*	*	*	*	.07						.03	.04	.01	.01								.16
CLAY 2				.01	.06	.03	.03	.01	.01		.02	.01	.05	.05	.01										.29
DAVIS					.01	.06	.02	.03	.04	.02			.01	.04	.03	.02									.28

See reference notes following Station Index.

Table 4-Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
ELKINS WB AIRPORT					.02	.04	.04	.02	.03	.02			.01	.03	.04	.01	.01	.01					.02		.30
FLAT TOP //			.03	.04	.06	.04							.03	.04	.01	.01	.01	.01	.01						.20
FRANKLIN						.01	.01	.09	.04	.01	.02	.01	.01												.20
FREEMANSBURG				.01	.01	.03	.06	.02	.01	.01			.03	.03	.02	.01	.01	.01	.01						.27
GARY //		.01	.02	.06	.06	.03	.02				.01		.02	.01	.01			.01	.01						.27
HALL					.07	.03			.03	.04		.02	.02	.08	.05	.04	.01	.01							.40
HUNDRED		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
HUNTINGTON 2										.03	.02	.02	.01	.01											.09
LAKE LYNN							.03	.03	.01	.02		.04	.05	.04	.04	.02	.03								.31
LAKIN									.01	.03	.03	.01	.01												.09
LIVERPOOL											.01	.05	.03	.01											.10
LOCKNEY											.01		.03	.05	.01										.10
LOGAN				.05	.02	.01	.04	.01		.01	.01	.01		.02	.01										.19
MACFARLAN										.01	.02	.02	.03	.02											.10
MARLINTON				.01	.04	.03	.05																		.13
MARTINSBURG MUNICIPAL AIRPORT									.06	.12	.04	.01			.01	.01									.25
MATHIAS							.03	.04	.14	.04															.25
MOOREFIELD							.02	.09	.10	.08	.01	.02													.32
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.03	*	*	*	*	*	.15	*	*	*	*	*	.12	*	*	*	*	
OAK HILL				.01	.05	.02	.03	.01		.01	.03	.01	.04	.02	.01	.01	.01								.26
PARKERSBURG WOOD CO AIRPORT 6			*	*	*	*	*	.02	*	*	*	*	*	.12											
PARKERSBURG WB CITY								.01	.01	.05	.01	.01	.01												.10
PETERSBURG WB CITY 6			*	*	*	*	*	.07	*	*	*	*	*	.27											
SMITHBURG						.03	.02		.01		.01	.02	.02	.03	.05										.19
SPRINGFIELD																								.01	.01
SUMMERSVILLE //					.04	.03	.03	.04	.02		.01	.02	.02	.05	.03	.01	.01	.01							.32
TERRA ALTA 2		*	*	*	*	*	*	*	*	*	*	*	*	.87	-	-	-	-	-	-	-	-	-	-	-
TRIBLLE										.02	.01	.04	.05	.02	.01										.15
TYGART DAM				.01	.04	.06	.07	.02				.02	.04	.03	.06	.02	.01	.01	.01						.40
UNION		.01	.06	.04	.07	.11	.07	·																	.36
VALLEY HEAD					.01	.04	.04	.10																	.19
WEBSTER SPRINGS						.05		.04	.01			.01	.01	.02	.03	.01	.03	.01							.22
WHEELING OHIO CO AIRPORT 6									*	*	*	*	*	.04	*	*	*	*	*	.01					
—23d—																									
CHARLESTON KANAWHA AIRPORT 6	*	.02																							
FLAT TOP //																							.04	.02	.06
HUNDRED	*	.20																							.20
MARTINSBURG MUNICIPAL AIRPORT	.04	.01																							.05
MORGANTOWN MUNICIPAL AIRPORT 6	*	.01																							
SPRINGFIELD	.02	.02	.01	.01	.03																				.09
UNION																								.03	.03
WHEELING OHIO CO AIRPORT 6	*	.01																							
—24th—																									
FLAT TOP //	.01																								.01
UNION	.02																			.02	.13	.05	.02		.24
—26th—																									
CHARLESTON KANAWHA AIRPORT 6															*	*	*	*	*	.11					
CHARLESTON 3															.02	.03	.02	.03			.01	.04	.13	.08	.36
CLARKSBURG 1														*	*	*	*	*	*	*	*	*	*	*	*
CLAY 2															.01	.01		.01	.01				.02	.08	.14
ELKINS WB AIRPORT																								.05	.05
FRANKLIN																						.01	.01	.01	.03
FREEMANSBURG																						.10	.14	.05	.29
GARY //																.03	.01	.05	.10	.02	.01	.01	.08	.05	.36
HALL																							.09	.09	.18
HUNDRED													.02	.01	.01	.02	.02	.01	.01	.01	.01	.08	.09	.05	.34
HUNTINGTON 2											.06	.14	.12	.04	.04	.02	.02	.01			.05	.20	.04	.02	.76
LAKE LYNN																								.02	.02
LAKIN												.09	.05	.05	.05	.02	.01	.01				.06	.11	.04	.49
LIVERPOOL														.08	.03	.02	.01	.04				.07	.17	.06	.48
LOCKNEY															.03	.02	.01	.02	.01				.15	.07	.31
LOGAN												.01	.02	.01	.04	.04	.04	.02				.03	.14	.11	.46
MACFARLAN														.01	.06	.02	.01	.03	.01			.07	.13	.06	.40
MARLINTON																			.03	.06	.01		.04	.06	.20
MATHIAS																								.03	.03
MORGANTOWN MUNICIPAL AIRPORT 6															*	*	*	*	*	.04	*	*	*	*	
OAK HILL																	.01	.03	.03	.03			.01	.10	.21
PARKERSBURG WOOD CO AIRPORT 6									*	*	*	*	*	.14	*	*	*	*	*	.18					
PARKERSBURG WB CITY											.03	.05	.04	.01	.06	.03		.05		.01	.01	.01	.20	.09	.59
SMITHBURG																.03	.01	.01					.01	.03	.09
SPRINGFIELD							.03	.04	.03	.03	.05	.01		.01	.01										.21
SUMMERSVILLE //																.02	.03	.04	.01				.05	.07	.22
TRIBBLE													.09	.09		.06	.01	.03		.01	.01	.13	.17	.02	.62
TYGART DAM																							.04	.15	.19
UNION																	.01	.04	.06	.04	.01	.01	.01	.07	.25
VALLEY HEAD																				.02				.01	.03
WEBSTER SPRINGS																.01	.02	.01	.03	.01			.02	.05	.15
WHEELING OHIO CO AIRPORT 5															*	*	*	*	*	.03					
—27th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.33	*	*	*	*	*	.10																	
CHARLESTON 3	.03	.02	.04	.03	.01																				.13
CLARKSBURG 1	*	*	*	*	*	*	*																		*
CLAY 2	.09	.05	.03	.02	.02																				.21
DAVIS	.05	.15	.06	.08	.01																				.35
ELKINS WB AIRPORT	.08	.08	.04	.05	.02	.01	.01																		.29
FLAT TOP //																	.03	.06	.08	.05	.01	.02	.06	.08	.39
FRANKLIN	.06	.02																							.08
FREEMANSBURG	.01	.03	.05	.01	.01																				.11
GARY //	.02	.02	.03	.02	.01																				.10
HALL	.04	.02	.05	.03	.03	.01	.01	.01	.01	.01						*	*	*	*	*	*	*	*	.25	.47
HUNDRED	.06	.09	.02	.01																					.18
HUNTINGTON 2	.02	.05	.04	.01																					.12
LAKE LYNN	.05	.03	.01	.01	.08	.06	.02	.01	.01	.01															.29
LAKIN	.05	.09	.02	.02	.01	.01																			.20
LIVERPOOL	.02	.05	.05	.03	.01	.01																			.17
LOCKNEY	.05	.05	.03	.04	.01																				.18
LOGAN	.11	.03	.04	.01	.01				.01	.01	.01			.01											.25
MACFARLAN	.02	.06	.08	.02	.02																				.20
MARLINTON	.06	.10	.09	.02	.01																				.28
MARTINSBURG MUNICIPAL AIRPORT	.02	.04	.05	.07	.02																				.20
MATHIAS	.03	.01	.02	.03																					.09
MOOREFIELD	.01	.03	.04	.01	.01																				.10
MORGANTOWN MUNICIPAL AIRPORT 6	*	.34	*	*	*	*	*	.16																	
OAK HILL	.08	.10	.03	.04	.03	.01																			.29
PARKERSBURG WOOD CO AIRPORT 6	*	.36	*	*	*	*	*	.15																	
PARKERSBURG WB CITY	.02	.09	.05	.01		.01																			.18
PETERSBURG WB CITY 6	*	.04	*	*	*		*	.03																	
SMITHBURG	.01	.01	.02	.03																					.07

See reference notes following Station Index.

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
SUMMERSVILLE //	.18	.12	.05	.04	.02	.02																			.43
TRIBBLE	.01	.04	.06																						.11
TYGART DAM	.08	.01	.02	.03	.01	.01	.01	.01				.01													.19
UNION	.07	.07	.01	.01	.06	.01																			.23
VALLEY HEAD	.18	.11	.01	.02	.01																				.34
WEBSTER SPRINGS	.11	.10	.04	.06	.01	.03	.01	.02																	.38
WHEELING OHIO CO AIRPORT 6	*	.22	*	*	*	*	*	.15																	
—28th—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.02	*	*	*	*	*	.85	*	*	*	*	*	.22					
CHARLESTON 3							.05	.16	.21	.17	.08	.09	.04	.02	.01	.02	.08	.04	.03	.08	.04	.04	.03	.07	1.26
CLARKSBURG 1	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
CLAY 2								.06	.19	.16	.16	.13	.04	.02	.01	.01	.08	.04	.07	.07	.02	.03	.03	.05	1.17
DAVIS									.01	.01	.06	.09	.03	.03	.06	.01		.05	.04		.15	.03	.02	.04	.63
ELKINS WB AIRPORT									.01	.04	.02	.02	.04	.01	.01	.01	.02	.05	.01	04	.05	.04	.01	.02	.40
FLAT TOP //	.04	.02	.02	.03	.04	.06	.08	.02	.05	.10	.13	.12	.25	.12	.13	.10	.05	.09	.04	.03	.02	.04	.01	.02	1.61
FRANKLIN											.12	.10	.14	.12	.10	.02	.10	.10	.10	.05	.04	.02	.01	.06	1.08
FREEMANSBURG										.04	.05	.02		.01	.01	.08	.09	.05	.04	.07	.03	.01	.09	.02	.61
GARY //						.04	.08	.10	.05	.08	.25	.09	.04	.07	.04	.03	.10	.05	.01	.04	.01	.01	.09	.08	1.26
HALL												.02	.07	.05	.09					.08	.02	.05	.03	.02	.43
HUNDRED													.01	.01	.05	.11	.10	*	*	*	*	*	*	*	*
HUNTINGTON 2							.04	.10	.16	.10	.04	.03	.01	.01	.01	.05	.12	.07	.05	.14	.04	.05	.09	.05	1.16
LAKE LYNN																.01	.03	.08	.10	.10	*	*	*	*	*
LAKIN									.02	.05	.06	.01	.01		.07	.11	.11	.14	.10	.11	.05	.05	.05	.04	.98
LIVERPOOL								.01	.02	.05	.04	.04		.01	.03			.07	.10	.09	.07	.04	.07	.15	.79
LOCKNEY								.02	.16	.06	.06	.03	.01		.01	.01	.09	.05	.05	.04	.06	.02	.05	.07	.79
LOGAN							.10	.05	.10	.13	.09	.06	.05	.01	.01	.01	.01	.03	.09	.02	.07	.03	.04	.06	.96
MACFARLAN								.01	.03	.02	.01	.02	.01	.01	.04	.12	.09	.07	.08	.08	.03	.04	.09	.10	.85
MARLINTON									.24	.10	.16	.13	.07	.05	.03	.08	.09	.09	.02	.03	.01	.02	.01	.06	1.19
MARTINSBURG MUNICIPAL AIRPORT											.02	.05	.07	.05	.04	.07	.06	.03	.01	.01	.03	.07	.03	.01	.55
MATHIAS																	.04	.12	.11	.06	.07	.06	.03	.03	.52
MOOREFIELD											.02.	.09	.03	.06	.09	.03	.03	.09	.06	.02	.07	.01	.01	.04	.65
MORGANTOWN MUNICIPAL AIRPORT 6															*	*	*	*	*	.26	*	*	*	*	
OAK HILL							.07	.06	.15	.15	.11	.10	.03	.07	.05	.01	.04	.02	.01	.02	.02	.03	.04	.06	1.04
PARKERSBURG WOOD CO AIRPORT 6									*	*	*	*	*	.06	*	*	*	*	*	.55					
PARKERSBURG WB CITY										.02	.04	.01			.06	.11	.15	.11	.08	.13	.05	.04	.06	.05	.91
PETERSBURG WB CITY 6									*	*	*	*	*	.23	*	*	*	*	*	.34	*	*	*	*	
SMITHBURG												.01		.01	.01	.01	.03	.05	.03	.01		.01	.01	.01	.19
SPRINGFIELD												.03	.06	.02	.03	.05	.02	.04	.08	.09	.07	.03	.01	.02	.55
SUMMERSVILLE //								.07	.12	.15	.09	.10	.04	.02	.03	.01	.04	.03	.03	.03	.03	.03	.02	.07	.91
TRIBBLE			*					.04	.17	.13	.08	.02		.01	.01	.05	.11	.12	.08	.09	.05	.03	.09	.10	1.18
TYGART DAM										.02	.01	.01	.01	.01	.01	.01	.06	.09	.07	.03	.08	.02	.01	.04	.48
UNION						.01	.05	.09	.19	.10	.17	.28	.14	.06	.07	.04	.03	.12	.01	.02					1.38
VALLEY HEAD									.01	.04	.04	.09	.10	.02	.01	*	*	*	*	*	*	*	*	*	*
WEBSTER SPRINGS								.01	.11	.13	.15	.09	.08	.01	.02	.01	.03	.05	.01	.01	.04	.03	.02	.04	.84
WHEELING OHIO CO AIRPORT 6															*	*	*	*	*	.28					
—29th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.40	*	*	*	*	*	.29	*	*	*	*	*	.02											.35
CHARLESTON 3	.05	.05	.07	.06	.04	.05	.01	.01	.01																1.50
CLARKSBURG 1	*	*	*	*	*	*	*	*	*	*	*	*	*	1.50											.50
CLAY 2	.05	.09	.08	.08	.03	.04	.09	.01	.02	.01															.31
DAVIS	.02	.03	.05	.01	.01	.01	.02	.06	.02	.04	.03	.01													.38
ELKINS WB AIRPORT	.05	.03	.04		.06		.02	.08	.03	.02	.01	.01	.01				.01		.01						.40
FLAT TOP //	.05	.10	.05	.07	.04	.02	.01	.03		.01	.01	.01													.36
FRANKLIN	.07	.06	.06	.01	.01	.02	.01	.02	.04	.01	.01					.01	.01	.01	.01						.40
FREEMANSBURG	.10	.03	.07	.01	.09	.09	.01																		.26
GARY //	.04	.09	.05	.04	.01	.01				.02															.43
HALL	.06	.02	.01	.08	.04	.06	.05	.04	.01	.02	.02	.02													1.35
HUNDRED	*	*	*	*	*	*	*	*	*	*	*	*	*	1.07											.18
HUNTINGTON 2	.04	.05	.03	.01	.02	.02	.01																		.85
LAKE LYNN	*	*	*	*	*	*	*	.53																	.15
LAKIN	.04	.02	.01	.02	....	.03	.01																		.24
LIVERPOOL	.02	.06		.02	.04	.03	.01	.05	.01																.44
LOCKNEY	.09	.05	.07	.05	.03	.09	.06																		.43
LOGAN	.11	.06	.04	.07	.05	.01	.04	.02	.01	.01	.01														.28
MACFARLAN	.0B	.03	.02	.05	.05	.04	.01																		.25
MARLINTON	.05	.04	.02	.02	.04	.04	.01	.03																	.46
MARTINSBURG MUNICIPAL AIRPORT	.04	.07	.07	.04	.04	.08	.06	.02	.04																.88
MATHIAS	.06	.07	.05	.02	.03	.01	.04	.01	.01	.02	.02	.04	.06	.06	.05	.33									.36
MOOREFIELD	.06	.09	.01	.03	.05	.01	.01	.02	.02	.04	.02														
MORGANTOWN MUNICIPAL AIRPORT 6	*	.26	*	*	*	*	*	.31	*	*	*	*	*	.05	*	*	*	*	*	.02					
OAK HILL	.06	.07	.03	.06	.05	.06	.03	.02	.02	.01				.02											.43
PARKERSBURG WOOD CO AIRPORT 6	*	.34	*	*	*	*	*	.06																	
PARKERSBURG WB CITY	.03	.03		.01																					.07
PETERSBURG WB CITY 6	*	.24	*	*	*	*	*	.23	*	*	*	*	*	.10											
SMITHBURG	.03	.01	.01	.01	.02	.01	.01	.04																	.14
SPRINGFIELD	.06	.05	.04	.03	.02	.03	.01	.01					.08	.01	.01										.35
SUMMERSVILLE //	.03	.0B	.05	.08	.04	.04	.02	.02	.04	.01															.41
TRIBBLE	.04	.06	.03	.02			.05	.04	.01																.25
TYGART DAM	.05	.10	.02	.06	.01	.03	.12	.04	.01	.01															.45
UNION	.08	.07	.05	.05	.03	.03	.01	.01	.02	.01															.36
VALLEY HEAD	*	*	*	*	*	*	*	*	*	*	*	*	*	.89											1.20
WEBSTER SPRINGS	.03	.03	.03	.06	.05	.05	.05	.04	.01	.01	.01														.37
WHEELING OHIO CO AIRPORT 6	*	.21	*	*	*	*	*	.04	*	*	*	*	*	.01											
—30th—																									
FLAT TOP //											.01	.03													.04
LAOMA	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA ALTA 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATHENS	MAX	60	60	56	67	74	68	56	59	59	62	62	55	51	55	56	62	56	61	64	64	59	62	50	54	54	55	50	45	39	44		57.3
	MIN	50	43	47	44	51	53	41	33	45	38	23	31	41	24	35	27	47	33	47	40	33	43	40	39	28	31	42	35	32	32		38.3
BARTOW	MAX	74	60	61	65	68			67	66	57		54			56	61	55													38		
	MIN	23	38	45	47	36			13	27	37		18			22	19	40	12	27			22	36	34		18			15	30		
BAYARD	MAX	58	54	49	64	64	75	51	62	51	61	45	55	48	48	49	63	57	64	66	63	51	49	48	47	44	62	55	39	35	39		53.9
	MIN	45	43	41	40	30	44	39	22	26	35	23	21	37	30	30	24	38	19	34	41	28	26	31	31	25	18	36	25	30	32		31.5
BECKLEY V A BOSPITAL	MAX	58	61	58	66	77	69	67	60	60	62	51	52	65	53	61	64	60	63	62	58	61	52	49	52	55	51	60	56	52	44		58.6
	MIN	50	41	49	48	47	57	42	28	41	38	22	27	24	22	22	25	46	26	30	30	39	32	35	37	38	34	33	38	29	32		35.4
BENSON	MAX	66	70	63	72	83	79	77	70	70	65	52	56	56	54	55	54	68	71	72	70	56	55	49	49	52	65	58	52	43	47		61.6
	MIN	52	46	52	46	36	46	26	30	35	24	27	44	26	30	24	41	22	35	44	27	30	36	30	21	22	46	25	25	37	37		34.1
BENS RUN	MAX	63	72	62	73	70	65	83	70	67	72	55	52	52	52	55	61	73	70	68	65	57	55	53	48	52	52	72	47	44	48		60.9
	MIN	55	52	52	55	42	38	42	32	40	37	28	34	43	29	34	29	43	29	49	47	31	37	35	29	28	30	43	32	36	39		38.3
BERKELEY SPRINGS	MAX	68	63	52	59	74	75	61	63	51	72	57	56	58	55	57	57	63	62	58	61	61	48	49	54	49	56	59	53	39	49		58.0
	MIN	51	42	44	48	48	56	52	29	31	46	35	26	41	40	31	26	42	26	30	48	37	33	40	32	32	23	45	34	32	28		37.6
BLUEFIELD NO 1	MAX	63	63	57	65	72	68	60	59	60	62	50	56	53	54	56	62	56	61	65	54	57	54	51	53	53	55	52	37	40	44		56.4
	MIN	52	45	48	49	56	60	43	35	47	39	28	33	44	29	39	34	33	35	48	40	37	44	42	40	32	38	43	36	33	33		40.5
BLEUSTONE DAM 3 S	MAX	65	64	66	56	71	80	79	62	67	62	61	57	53	57	60	64	67	63	67	67	60	64	53	47	58	58	55	59	57	43		61.4
	MIN	39	48	49	49	46	46	46	31	32	47	28	30	33	28	28	28	29	28	29	46	33	34	43	42	32	29	30	36	40	35		36.5
BRANDONVILLE	MAX	71	57	67	57	58	80	54	56	55	50	54	56	56	46	49	53	51	67	66	67	48	53	47	39	49	47	65	50	50	37		55.2
	MIN	52	42	45	47	33	52	40	25	45	24	24	26	34	30	38	23	23	39	37	36	30	30	33	28	26	20	35	23	32	33		33.5
BRANDYWINE	MAX	66	64	57	67	73	73	65	64	59	63	59	59	56	56	62	64	63	64	57	63	64	49	51	55			59	46	35	49		59.4
	MIN	47	54	39	39	60	41	47	27	27	45	22	22	40	24	30	25	48	21	36	47	27	35	37	47			35	27	32	33		36.2
BROWNSVILLE	MAX	65	71	67	74	84	78	60	74	68	65	70	59	56	54	57	72	67	72	72	70	59	52	48	48	51	68	57	56	47	55		63.2
	MIN	51	49	45	49	36	52	47	27	30	36	22	21	45	27	28	24	40	22	36	48	26	31	30	34	22	24	46	27	37	37		35.0
BUCKHANNON	MAX	64	67	60	72	82	75	58	72	64	66	52	60	50	53	55	69	60	69	72	70	60	51	47	48	52	67	55	45	43	46		60.1
	MIN	52	45	53	52	37	50	42	27	30	35	22	28	22	28	33	26	40	24	39	43	26	33	35	35	23	25	38	28	35	36		34.7
CABWAYLINGO STATE FOREST	MAX	65	86	69	74	87	79	62	72	72	69	57	59	59	58	61	73	70	73	67	61	60	51	50	51	57	61	57	49	46	48		63.4
	MIN	54	41	53	48	42	50	39	29	33	50	25	29	39	23	25	26	38	26	46	44	27	37	39	32	24	26	33	32	32	38		36.0
CAIRO 3 S	MAX	61	75	64	74	86	78	71	72	68	69	56	54	54	56	57	64	74	69	65	60	52	51	51	59	60	62	57	52	44	50		62.2
	MIN	53	50	45	51	39	51	50	28	33	35	24	30	42	23	25	32	24	33	44	25	31	36	26	24	24	49	45	29	37	38		35.9
CANAAN VALLEY	MAX	56	56	50	62	73	65	52	58	56	58	47	53	42	47	47	64	50	62	63	56	50	48	52	47	43	58	52	43	35	37		52.7
	MIN	47	38	41	46	34	48	39	22	42	47	23	21	41	26	35	29	39	19	33	39	31	28	30	32	26	24	40	25	30	30		33.5
CHARLESTON KANAWHA AP	MAX	62	69	63	74	85	77	59	70	70	69	55	57	55	56	57	73	59	71	68	60	59	50	43	49	56	63	55	46	42	48		60.7
	MIN	49	47	55	57	52	53	38	31	43	32	26	32	33	27	35	29	34	28	55	37	32	43	37	37	29	30	36	35	36	32		38.0
CHARLESTON 1	MAX	63	64	72	65	75	88	62	63	73	72	48	58	59	57	57	60	74	62	72	66	54	63	52	44	52	59	65	59	49	42		61.6
	MIN	44	48	51	54	44	55	44	33	38	47	30	31	39	27	31	30	36	30	34	48	31	33	39	37	30	30	34	34	38	38		37.9
CLARKSBURG 1	MAX	65	64	68	60	71	85	59	57	69	69	54	53	56	52	52	54	66	57	70	71	51	55	49	45	47	50	65	53	45	40		58.4
	MIN	33	49	48	48	39	40	47	30	30	34	25	30	38	30	33	27	28	26	29	48	27	28	28	27	19	19	20	24	32	37		32.4
COALWOOD	MAX	64	67	63	75	83	73	62	70	72	66	58	61	58	60	62	72	63	71	70	61	65	53	52	56	58	66	53	51	43	48		62.5
	MIN	53	44	55	50	41	59	42	30	35	41	25	28	45	25	26	27	44	28	50	44	30	41	42	41	27	27	47	35	38	36		38.5
CRANBERRY GLADES	MAX	71	54	53	59	62	63	60	54	57	54	57	48	48	47	51	56	56	55	60	57	50	55	48	47	49	50	53	49	37	35		53.2
	MIN	47	33	44	46	34	51	38	24	31	40	18	23	31	23	25	21	38	19	43	43	24	29	34	34	29	20	22	24	31	29		31.6
ELKINS WB AIRPORT	MAX	60	62	58	69	75	71	55	66	62	63	52	60	48	55	54	66	55	66	68	57	57	50	46	48	50	62	51	42	41	45		57.5
	MIN	49	45	52	48	34	49	30	26	34	26	22	25	36	29	29	24	28	21	46	31	27	32	34	35	26	22	26	28	34	25		32.4
FAIRMONT	MAX	63	68	59	72	84	76	62	74	65	68	55	55	52	52	58	66	63	74	74	70	59	49	45	50	53	66	59	49	40	49		61.0
	MIN	53	49	53	48	39	40	34	33	32	29	27	32	36	30	32	27	31	27	49	37	29	36	37	30	26	26	30	30	35	28		34.8
FLAT TOP	MAX	55	57	51	61	72	65	51	56	54	58	46	50	48	52	54	59	51	59	60	60	55	48	45	49	52	54	46	40	35	41		52.8
	MIN	48	41	46	40	51	47	34	31	41	28	26	24	38	20	36	27	30	24	45	37	35	34	36	34	27	27	37	31	29	27		34.4
GARY	MAX	71	63	68	61	75	83	60	62	71	72	64	56	63	55	60	61	72	61	73	71	59	64	53	47	55	61	66	53	46	43		62.3
	MIN	45	44	44	50	42	43	44	30	31	42	27	28	32	26	26	27	29	28	29	43	30	32	42	41	29	27	28	37	41	37		35.1
GLENVILLE NO 1	MAX	65	72	63	73	86	78	62	72	67	69	54	58	54	54	58	70	64	74	71	61	59	50	49	50	54	67	56	45	43	49		61.6
	MIN	53	51	47	51	39	59	45	30	33	36	28	30	44	28	31	26	45	25	41	45	29	34	38	36	26	25	40	30	38	37		37.3
GRAFTON	MAX	68	64	58	70	83	72	53	72	65	67	60	67	55	50	53	67	57	71	72	70	53	50	47	45	54	67	56	46	42	46		60.0
	MIN	40	40	51	50	35	53	38	23	30	37	22	25	37	27	27	27	24	37	23	35	45	32	32	36	30	24	23	35	26	35	24	33.2
GRANTSVILLE	MAX	66	65	73	65	74	85	63	62	63	64	64	57	57	57	56	58	70	61	75	71	51	62	53	46	52	56	68	58	47	42		61.4
	MIN	39	51	48	48	32	48	44	31	30	32	28	28	35	27	28	26	32	25	28	48	19	30	35	23	26	26	30	30	38	38		33.4
HAMLIN	MAX	65	63	74	67	74	88	65	63	72	72	46	59	58	57	59	60	73	63	74	63	54	61	51	45	51	62	59	58	48	42		61.5
	MIN	40	48	52	46	38	47	37	27	30	36	21	25	33	20	23	24	29	24	34	45	25	32	34	26	22	24	44	29	35	35		32.8
HASTINGS	MAX	60	66	66	71	82	80	56	69	68	67	51	52	52	45	51	52	62	69	67	60	54	53	47	40	44	57	52	48	42	46		57.6
	MIN	48	42	52	50	40	50	45	26	31	35	24	29	42	23	31	22	43	23	40	46	25	31	34	26	23	24	46	26	34	37		34.9
BINTON NO 1	MAX	65	64	65	57	71	81	68	66	70	63	61	61	55	59	65	66	67	64	70	67	62	66	53	48	59	62	56	60	43	44		61.9
	MIN	38	48	49	50	45	45	47	31	34	46	29	29	33	29	29	28	30	27	31	45	33	34	43	43	31	29	32	35	39	36		36.6
HUNTINGTON NO 1	MAX	63	77	68	75	87	81	64	74	73	67	59	55	59	59	61	69	68	73	63	60	61	51	51	51	60	50	59	47	45	53		62.8
	MIN	56	48	54	59	51	50	46	34	39	38	28	36	49	28	35	32	46	31	55	46	32	40	36	30	28	32	47	38	38	39		40.7
KEARNEYSVILLE 1 NW	MAX	69	57	53	62	74	75	74	62	53	74	57	57	62	55	62	58	64	62	55	68	62	50	50	53	52	57	64	52	40	52		59.5
	MIN	51	48	46	50	48	65	51	32	36	46	30	29	43	39	37	28	46	28	37	47	36	38	38	34	35	25	45	33	33	30		39.5
KINGWOOD	MAX	59	60	53	67	78	73	54	67	62	63	48	56	52	49	51	62	61	65	67	66	52	49	47	42	46	61	59	46	40	42		56.6
	MIN	51	46	46	49	44	49	42	27	34	36	28	28	40	30	38	28	40	27	46	40	31	35	32	30	28	30	44	29	32	34		36.5
KUMBRABOW STATE FOREST	MAX	56	56	52	62	68	65	52	58	58	52	47	52	46	52	52	62	52	60	59	61	55	49	48	50	49	60	59	39	38	40		53.6
	MIN	46	34	46	46	33	48	38	26	32	30	18	25	37	23	29	25	35	22	45	34	24	29	31	34	23	24	31	24	30	29		31.7
LE SAGE GREENBOTTOM	MAX			78	73	86	81		73	71	70		57			59	65	63	73	73	63		63	50	51		57			57	51		
	MIN			36	54	47	54		31	36	38		28	46		27	29	43	28	52	47		31	34	27		27	46		35	38		37.9
LEWISBURG	MAX	61	59	57	66	74	69	59	60	52	62	52	53	54	52	60	62	59	63	60	63	69	49	50	52	51	56	51	47	41	43		56.9
	MIN	51	41	50	46	40	54	43	28	34	39	21	28	40	24	30	25	46	26	48	46	28	40	38	40	28	26	42	31	35	31		36.6
LOGAN	MAX	61	65	73	65	75	87	65	65	73	70	52	57	60	59	59	64	74	64	73	65	59	62	52	47	53	57	62	59	48	42		62.2
	MIN	51	51	51	55	48	55	45	34	35	48	32	32	37	29	30	30	31	31	31	48	34	41	41	39	32	31	32	38	42	39		39.1
LONDON LOCKS	MAX					73	85	60	62	69	70	58	58	59	55	56	60	72	61	69	72	56	59	52	46	51	55	61	56	49	45		60.3
	MIN	42	52	52	55	50	50	51	36	37	48	33	38	39	30	31	32	34	33		50	35	35	41	40	32	33		32	40	40		40.0

See reference notes following Station Index.

Station		Day of month																														Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ADISON	MAX	67	65	72	66	74	89	62	63	73	73	50	56	60	57	57	61	74	62	73	67	56	60	52	46	52	55	66	55	48	41		61.7
	MIN	44	49	49	52	43	50	42	31	31	44	29	30	35	25	29	28	30	28	30	46	30	36	40	38	29	28	33	33	40	37		36.3
ANNINGTON 1 N	MAX	62	68	65	72	85	78	60	70	63	67	54	55	54	52	56	69	63	71	69	68	58	52	54	50	52	62	60	52	48	50		61.3
	MIN	52	47	48	45	34	55	45	32	28	39	24	37	39	23	29	23	38	31	34	30	25	30	35	25	20	21	45	25	34	37		34.3
ARTINSBURG MUNICIPAL AP	MAX	66	53	51	62	73	74	61	61	50	71	56	56	60	52	57	56	63	61	54	62	63	49	49	54	52	56	60	44	39	49		57.1
	MIN	49	47	46	48	50	55	40	32	34	37	30	29	42	36	32	28	40	27	35	44	34	39	39	35	30	26	44	33	33	29		37.4
C NEILL 2 NE	MAX														59	61	62	64	67	64	58	65	51	50	50	55	56	55	50	44	50		
	MIN	49	52	50	45	45	51	50	35	28	39	20	22	45	35	30	22	40	19	30	31	23	30	39	32	25	20	35	26	33	31		34.4
IDDLEBOURNE 2 ESE	MAX	62	57	71	65	75	85	69	60	70	69	50	53	53	57	53	54	64	60	73	67	50	58	51	46	50	53	55	55		44		59.6
	MIN	54	53	54	40	40	49	46	29	34	50	25	31	43	25	29	27	43	25	42	48	29	33	36	29	23	26	46	29	35	37		37.0
OOREFIELD	MAX	70	59	55	60	72	76	63	67	56	69	60	61	60	60	63	62	64	68	56	62	66	47	51	56	57	58	61	51	39	50		60.0
	MIN	50	52	47	46	46	59	51	30	34	42	25	27	44	37	36	26	46	24	40	42	28	36	39	34	31	24	45	31	33	36		38.0
ORGANTOWN MUNICIPAL AP	MAX	58	65	59	70	83	75	57	70	65	66	51	58	53	50	52	64	57	69	71	69	54	51	44	48	48	65	52	46	40	46		58.5
	MIN	53	49	50	53	52	50	36	32	43	31	30	35	36	30	37	33	40	31	48	39	35	39	34	30	25	39	32	31	32	34		38.0
ORGANTOWN NO 1	MAX	59	68	67	72	85	74	60	71	67	66	53	55	52	52	56	64	64	72	71	68	57	51	49	49	51		66	49	45	53		60.9
	MIN	46	48	51	53	43	52	45	31	37	37	31	33	42	30	39	29	44	28	43	46	36	34	36	30	28		28	31	34	38		38.0
ORGANTOWN LOCK 10	MAX	63	69	60	74	87	78	62	75	68	67	55	58	55	54	57	65	64	74	74	70	58	54	48	50	54	68	60	52	46	50		62.3
	MIN	53	48	52	54	43	54	46	34	55	39	30	31	44	35	36	30	44	28	42	51	49	45	40	32	30	30	47	34	38	38		41.1
EW CUMBERLAND DAM 9	MAX	66	70	57	73	83	76	59	66	67	68	55	53	50	50	51	61	63	68	61	63	53	53	42	43	52	53	54	42	44	50		58.2
	MIN	51	52	40	42	43	54	44	33	36	34	32	33	44	32	42	29	43	30	43	45	36	40	34	40	27	29	41	30	32	38		38.3
EW MARTINSVILLE	MAX	61	73	66	73	81	71	62	70	67	68	55	53	55	54	56	62	63	71	70	65	59	50	48	51	54	55	57	48	42	50		60.3
	MIN	51	51	52	53	53	51	43	30	33	37	26	31	43	26	31	26	43	26	42	47	28	35	35	33	27	27	41	30	35	37		37.4
AK HILL	MAX	67	58	64	57	66	78	58	56	62	62	61	51	55	52	55	55	63	56	65	65	53	58	51	43	47	53	60	51	41	40		56.8
	MIN	52	51	52	51	53	56	43	37	40	48	23	25	42	24	27	29	30	36	39	44	29	31	34	35	25	27	37	39	37	33		37.6
ARKERSBURG WOOD CO AP	MAX	61	72	62	72	83	75	58	67	68	67	54	51	52	52	54	63	58	69	66	56	56	49	46	48	53	53	55	46	42	48		58.5
	MIN	49	48	51	56	55	51	39	31	46	33	30	36	36	28	34	31	36	31	51	37	31	40	35	27	26	39	33	33	36	33		38.1
ARKERSBURG WB CITY	MAX	61	72	64	72	83	76	59	68	69	68	55	52	53	53	56	64	60	70	66	59	57	51	46	48	53	54	54	47	43	50		59.4
	MIN	51	49	53	55	55	48	38	32	45	34	31	39	39	30	37	34	38	32	54	38	31	41	36	29	28	38	37	37	36	33		39.3
ARSONS	MAX	61	60	57	70	79	73	57	66	58	65	53	60	51	55	55	66	61	69	71	69	57	49	47	50	53	63	58	46	42	46		58.9
	MIN	49	42	50	48	40	53	44	29	33	36	22	26	40	31	36	25	43	23	42	45	26	32	35	35	27	23	44	26	35	35		35.8
ETERSBURG WB CITY	MAX	69	62	53	60	79	75	62	65	47	68	58	60	57	59	62	64	64	66	49	62	65	46	53	56	57	59	59	37	39	51		58.8
	MIN	50	51	47	47	45	55	36	30	37	35	26	27	40	32	40	27	32	24	34	37	30	35	40	32	29	24	32	32	33	28		35.6
ICKENS NO 1	MAX	72		61	65	72	68	63	63	60	60	49	55	50																			
	MIN	31		37	47	40	45	28	40	44	28	22	37	29	25	28	26	28	25	47	30	28	28	32	32	24	20	30	27	31	27		31.6
IEDMONT 1 SE	MAX	65	53	53	57	64	71	58	63	56	58	53	53	55	56	57	56	59	60	49	53	57	49	45	51	52	53	57	42	38	46		54.6
	MIN	51	51	45	46	46	57	44	31	34	41	27	29	42	34	41	29	46	27	34	43	30	39	38	33	33	25	45	31	32	35		38.0
INEVILLE	MAX	67	62	68	62	72	83	60	63	68	68	61	55	60	53	60	62	71	62	72	65	58	63	52	47	55	58	61	58	44	43		61.1
	MIN	37	45	38	49	40	41	38	25	23	37	25	21	30	24	22	23	20	25	25	40	30	30	40	39	25	24	25	33	38	34		31.5
OINT PLEASANT	MAX	63	72	70	73	84	83	60	67	71	69	55	55	56	55	56	62	67	69	67	62	57	57	57	48	55	55	53	53	47	49		61.6
	MIN	56	49	49	59	52	52	45	33	40	44	29	37	48	27	34	32	43	30	54	47	30	39	37	30	26	33	47	37	37	38		40.5
AINELLE NO 1	MAX	58	59	55	65	74	68	58	61	54	60	54	52	51	57	58	61	59	63	60	62	59	50	50	55	56	57	53	44	39	46		56.6
	MIN	50	38	39	48	38	52	41	26	38	34	21	26	40	21	23	22	38	22	49	34	26	34	35	37	25	24	38	30	32	30		33.7
AVENSWOOD DAM 22	MAX	63	74	70	72	86	85	62	69	69	70	58	56	55	55	57	63	69	74	68	67	61	56	51	53	55	58	58	55	45	50		62.8
	MIN	52	47	52	54	51	50	44	28	42	36	25	33	44	24	26	26	41	25	51	44	26	33	35	25	23	32	45	30	40	37		37.4
ICHWOOD	MAX	67	67	66	73	75	74	74	72	70	66	62	53	56	53	56	58	64	57	65	65	54	59	51	46	52	57	63	53	43	41		60.4
	MIN	36	42	40	42	46	50	46	36	34	35	24	24	43	23	24	26	33	28	38	45	28	30	40	37	27	28	36	30	39	35		34.8
PLEY	MAX	63	73	66	74	86	82	74	72	69	67	59	55	55	57	59	65	67	73	66	64	61	54	50	52		60	57	53	45	51		63.1
	MIN	40	47	51	51	43	49	52	27	33	35	24	30	42	24	26	25	41	24	48	45	28	26	34	24			44	30	34	31		36.0
MNEY	MAX	66	60	53	60	65	75	62	65	54	60	57	56	58	58	50	59	62	58	76	59	62	59	52	57	56	55	59	55	39	50		58.6
	MIN	50	51	45	48	48	58	50	30	32	43	26	26	44	40	34	26	50	36	25	44	29	34	40	34	30	23	41	34	32	30		37.8
WLESBURG NO 1	MAX	62	62	65	55	73	83	76	59	73	67	65	54	60	51	57	59	60	60	73	71	51	59	48	43	51	55	63	58	44	40		59.9
	MIN	33	49	48	50	42	42	47	32	31	34	29	29	30	32	33	29	28	27	27	46	32	32	37	35	31	26	26	30	33	35		34.5
LEM	MAX	64	70	61				60	72	64	66	68	68	53		55	65	64	64	70		69	50	45							64		
	MIN	51	48	51				34	25	29	23	24	31	20		21	21	38	28	21		23	28	30							20		
ADY SPRINGS	MAX	57	61	57	65	79	67	55	60	51	60	49	50	49	53	55	62	54	61	59	61	70	50	49	51	53	55	50	44	37	43		55.6
	MIN	50	35	50	44	41	50	39	35	37	35	19	23	39	19	26	21	40	22	46	39	19	30	35	37	22	29	40	27	31	31		33.7
ENCER	MAX	64	62	71	65	73	83	70	59	70	68	50	55	55	55	55	56	67	59	70	69	50	56	52	50	50	54	62	55	45	41		59.7
	MIN	50	47	51	51	51	53	45	30	37	39	25	28	39	25	30	26	43	25	50	47	36	39	35	32	25	29	44	30	38	36		37.9
MMERSVILLE	MAX	54	57	65	72	68	70	70	57	58	65	56	57	48	49	59	65	61	65	68	53	57	55	54	48	54	62	56	60	44	40		58.2
	MIN	42	45	49	34	36	39	40	23	29	19	24	39	17	38	38	32	21	50	37	21	22	23	23	20	19	42	39	42	31	24		31.9
TTON	MAX	65	68	68	74	79	79	61	67	67	66	54	59	59	56	58	70	70	70	72	72	57	57	50	50	56	56	60	60	49	48		62.6
	MIN	47	48	47	52	38	46	45	30	32	37	26	29	45	25	28	25	40	25	43	44	29	35	37	36	26	24	45	29	37	37		36.2
RRA ALTA NO 1	MAX					68	78	62	60	62	60	44	54		46	48	64	56	64	62	64	58	46	43	48	40	62	50	42	36	46		54.5
	MIN					36	30	34	24	38	30	26	25		28	30	25	32	22	42	36	30	30	30	28	22	32	32	30	28	30		30.0
ION	MAX	70	60	61	56	68	76	69	59	62	62	62	52	54	55	55	60	64	60	61	65	57	60	53	44	52	54	56	54	38	40		58.0
	MIN	36	42	43	46	42	43	44	29	31	44	19	21	32	21	23	23	26	26	30	45	27	36	38	40	30	27	29	30	36	32		33.0
LLEY CHAPEL	MAX	65	70	68	73	83	81	60	73	77	74	70	58	57	54	58	74	73	73	73	70	59	58	50	49	54	68	57	54	45	50		64.3
	MIN	40	40	51	49	37	53	45	29	31	37	24	29	45	28	28	26	38	24	37	48	28	32	37	32	23	24	46	28	37	38		35.5
ENNA 8RISCOE 2 N	MAX		74	70	77			68	68	72	76	54	57		54	57	63	71	70	73		57	59	54	50		54	54	56	49	49		61.9
	MIN	33	48	53	55	43	51	46	30	35	37	26	33	42	26	30	27	43	27	47	47	28	34	30	26		26	45	30	37	38		37.0
RDENSVILLE R M FARM	MAX	69	66	53	50	64	75	76	75	63	65	69	55	58	58	55	60	62	62	63	67	62	62	52	45	55	54	60	59	42	46		60.1
	MIN	46	51	40	45	44	44	42	28	31	38	25	25	30	34	29	24	27	22	28	40	27	34	39	33	32	23	26	28	32	32		33.3
BSTER SPRINGS	MAX	64	68	61	71	78	78	60	70	64	66	54	61	53	57	58	70	59	69	70	70	61	56	50	52	55	65	55	47	45	47		61.1
	MIN	52	45	54	55	55	55	54	30	44	39	26	30	43	27	30	28	45	27	55	47	29	38	37	38	28	29	46	31	36	36		39.6
LLSBURG 3 NE	MAX	64	68	62	70	84	78	57	62	66	67	53	53	51	50	49	62	61	67	69	65	56	51	51	46	52	53	53	46	42	48		58.5
	MIN	49	41	51	45	36	54	42	28	31	38	24	21	43	33	40	24	43	25	34	46	29	35	31	25	21	23	43	26	34	27		34.7
STON	MAX	67	64	70	62	79	84	68	61	74	68	66	57	58	54	55	58	70	60	73	70	52	60	50	46	48	54	66	54	46	40		61.1
	MIN	34	52	52	55	39	39	49	31	31	34	28	28	32	34	34	28	28	29	29	46	30	30	39	39	28	27	29	38	38	36		35.5

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5-Continued

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WHEELING OHIO CO AP	MAX	63	66	57	68	83	74	55	65	64	66	51	51	48	48	48	61	57	65	66	56	54	49	44	44	50	55	51	40	40	46		56.2
	MIN	53	50	49	53	51	50	43	34	45	30	28	37	34	29	36	34	39	34	46	38	36	38	31	24	23	39	32	30	32	34		37.7
WHEELING WARWOOD DAM 12	MAX	61	64	70	59	71	85	58	58	67	66	52	54	53	51	51	52	62	58	69	66	49	56	51	45	45	51	53	54	45	43		57.3
	MIN	39	53	52	53	46	45	46	34	35	38	32	34	36	32	33	30	32	31	32	48	36	40	32	30	28	29	33	32	33	35		37.0
WHITE SULPHUR SPRINGS	MAX	62	66	58	68	74	70	62	62	59	55	54	54	54	56	58	65	60	64	60	66	61	50	51	56	55	58	57	50	51	45		58.7
	MIN	30	40	50	49	62	55	45	25	30	42	20	24	40	23	21	23	46	21	58	48	21	35	37	41	31	22	42	40	30	31		36.1
WILLIAMSON	MAX	70	63	78	66	76	88	67	68	78	74	52	62	61	59	64	66	75	68	78	68	61	67	53	48	52	62	64	60	48	43		64.6
	MIN	40	49	48	52	46	55	43	32	33	45	30	30	34	28	28	29	31	29	30	46	32	34	41	36	29	29	31	38	41	38		36.9
WINFIELD LOCKS	MAX	63	66	72	66	72	87	64	61	73	72	52	58	57	58	58	59	70	61	71	64	52	63	53	46	53	57	58	58	48	43		61.2
	MIN	40	48	51	54	49	52	49	33	33	41	31	31	38	29	29	33	33	32	31	49	33	33	37	30	29	29	33	34	39	37		37.3

See reference notes following Station Index.

TABLE 6

DAILY EVAPORATION (INCHES) AND WIND MOVEMENT (MILES)

WEST VIRGINIA

NOVEMBER 1948

STATION		DAY OF MONTH																													TOTAL	DEPARTURE FROM NORMAL
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	28	27	28	29	30	31		
CLARKSBURG NO 1	EVAP																																	
	WIND	10	28	103	30	15	164	96	87	22	72	73	42	49	174	56	66	120	82	47	73	126	28	77	22	14	15	44	73	108	45		1961	
WARDENSVILLE R M FARM	EVAP	.009	.051	.023	.001	.042	.049	.110	.174	.097	.063	.041	.026	.065	.128	.064	.034	.098	.118	.079	.020	.122	.000				.017	.058	.101		.008			
	WIND	9	22	37	34	6	77	56	56	14	26	34	14	25	62	23	30	52	31	26	32	29	13	15	17	23	5	45	37	30	4		1.846 885	

TABLE 7

DAILY RIVER STAGES (FEET)

RIVER AND STATION	FLOOD STAGE	DAY OF MONTH																													HIGHEST (OR CREST)	DATE	LOWEST	DATE
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
POTOMAC																																		
HARPERS FERRY	18	1.5	1.5	1.5	1.2	1.2	1.8	2.8	2.8	6.0	5.0	4.4	4.2	3.8	3.4	3.2	2.9	2.8	2.8	2.8	2.8	4.7	5.8	5.3	5.0	4.9	4.7	4.2	4.0	3.9	8.8		6.8	30	1.2	4+
TYGART																																		
ELKINS	14	2.9	2.9	2.8	2.8	2.9	2.9	3.3	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.3	4.5		4.5	30	2.8	3+
PHILIPPI	20	2.5	2.6	2.6	2.6	2.6	2.6	3.9	5.1	4.4	4.6	5.1	5.1	4.6	4.4	4.2	4.0	3.8	3.6	3.5	3.5	3.8	3.9	4.4	4.7	4.4	4.1	3.9	4.6	7.1	11.9		11.9	30	2.5	1
WEST FORK																																		
WESTON	15	2.5	2.3	2.2	2.7	3.2	3.0	4.2	5.2	3.2	3.1	3.5	3.2	3.4	3.4	3.3	3.1	3.0	2.7	2.4	3.0	3.0	3.1	3.6	4.1	3.4	3.2	3.6	4.2	8.5	7.4		9.5	28	2.2	3
MONONGAHELA																																		
MOULT LOCK 15 LOWER	22	7.9	7.9	7.7	7.7	7.8	7.9	8.0	8.7	9.0	8.0	9.9	8.0	8.1	8.2	8.0	8.0	8.0	8.7	8.9	8.9	9.1	8.1	8.1	8.4	8.2	8.0	8.9	9.2	10.5	12.3		12.3	30	7.7	3+
MOULT LOCK 15 UPPER	22	7.9	7.9	7.7	7.7	7.9	7.9	8.1	8.7	9.0	8.9	8.8	8.9	8.0	8.1	8.0	8.0	8.0	8.7	8.8	8.8	9.0	8.0	8.0	8.2	9.1	8.9	8.8	8.1	10.0	11.3		11.3	30	7.7	3+
MORGANTOWN LOCK 10 LOWER	25	8.3	8.2	8.0	8.0	8.1	8.2	8.4		9.0	9.2	9.2	9.2	9.2	9.0	8.5	8.4	8.3	8.5	9.1	8.1	8.4	9.4	9.4	8.5	9.5	8.3	8.2	9.5	10.3	12.7		12.7	30	8.0	3+
MORGANTOWN LOCK 10 UPPER	25	7.9	7.8	7.6	7.6	7.7	7.8	8.0	8.6	8.7	8.8	8.8	8.8	8.8	8.5	8.0	8.0	7.9	8.2	8.8	8.7	9.0	8.0	8.0	8.1	9.1	8.9	8.8	9.0	8.8	11.3		11.3	30	7.6	3+
LITTLE KANAWHA																																		
GLENVILLE	23	2.2	2.5	2.6	3.0	3.0	2.8	4.9	3.9	3.4	3.3	5.2	4.8	4.0	3.9	3.6	3.3	3.1	3.0	2.9	3.3	3.8	3.5	4.8	4.6	4.1	3.7	3.7	4.9	12.3	14.3		14.3	30	2.2	1
CRESTON	20	2.8	3.0	3.0	3.2	3.4	3.5	3.7	4.0	3.8	3.5	3.6	4.0	4.1	3.9	3.7	3.6	3.5	2.2	2.9	2.2	3.4	3.9	3.5	4.0	3.0	3.7	3.8	4.7	7.7	12.0		12.0	30	2.2	18+
GAULEY																																		
CAMDEN-ON-GAULEY	23	2.0	2.2	2.1	3.6	2.9	2.6	6.0	4.1	3.4	3.8	4.1	3.6	3.3	3.5	3.3	3.1	3.0	2.9	2.7	4.8	3.9	3.4	3.3	3.2	3.1	2.9	3.0	3.3	7.3	7.9		7.9	30	2.0	1
NEW																																		
HINTON	14	0.6	0.6	0.7	0.6	0.7	1.0	0.8	1.2	1.2	1.2	1.1	1.0	1.0	1.0	0.8		1.0	0.8	0.9		1.5	1.7	1.4	1.4	1.3	1.4	1.3	1.7	3.6	5.4		5.4	30	0.6	1+
ELK																																		
CLAY	18	0.9	0.9	0.9	0.9	0.8	0.8	1.6	3.5	2.7	2.4	3.0	3.6	3.0	2.6	2.3	2.2	2.1	1.9	1.8	1.8	2.1	2.6	2.6	2.7	2.8	2.4	2.2	2.6	8.3	10.4		10.4	30	0.8	5+
KANAWHA																																		
KANAWHA FALLS	25	1.4	1.5	1.4	1.6	1.4	2.2	2.3	3.5	3.5	2.9	3.3	3.5	3.1	2.9	3.0	2.5	2.4	2.4	2.6	2.4	3.2	4.4	3.6	3.8	3.4	3.2	3.1	3.9	7.1	11.4		11.4	30	1.4	1+
LONDON LOCKS LOWER	43	8.0	9.0	9.0	9.0	8.9	9.2	8.1	9.2	9.2	9.1	9.5	9.2	9.1	9.4	9.2	9.3	9.1	9.3	9.2	9.1	9.3	10.2	9.4	9.8	9.5	9.4	8.6	8.4	12.4	18.1		18.1	30	8.9	5
LONDON LOCKS UPPER	43	17.8	17.6	17.7	17.8	17.8	17.9	17.8	17.8	17.9	17.7	17.8	17.8	17.9	18.0	18.0	18.0	18.0	17.9	18.0	17.9	18.1	18.2	17.8	18.0	18.0	17.9	17.8	19.0	18.1	18.3		18.3	30	17.6	2
CHARLESTON	34	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.4h	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.2h	7.4h	7.4h	7.4h	7.4h	7.4h	7.4h	7.4h	7.4	7.8	8.4	15.8		15.8	30	7.2	1+
GUYANDOT																																		
LOGAN	20	2.6	2.6	2.6	2.5	2.5	2.7	2.7	2.7	2.7	2.7	2.8	2.8	2.8	2.8	2.8	2.8	2.7	2.7	2.7	2.7	2.7	2.7	2.9	2.9	2.9	3.0	3.1	3.5	4.8	6.0		6.0	30	2.5	4+
TWELVE POLE CREEK																																		
WAYNE	25	3.3	3.3	3.4	3.5	3.5	3.7	4.1	3.9	3.7	3.3	3.3	3.3	3.2	3.0	2.9	2.8	2.7	2.7	2.5	2.6	2.6	2.6	2.6	2.6	2.6	2.6	3.0	3.6	9.0	7.3		9.0	29	2.5	19
OHIO																																		
WHEELING WARWOOD DAM 12 L	36	9.1	8.6	9.2	9.2	9.2	9.8	8.6	10.3	10.7	9.8	10.1	10.2	10.2	8.8	9.9	10.0	10.0	10.0	9.6	10.3	10.8	11.9	12.6	11.4	11.8	10.9	11.2	11.8	12.7			12.7	28	8.1	1
WHEELING WARWOOD DAM 12 U	36	15.4	15.5	15.4	15.5	15.4	15.5	15.4	15.6	15.4	15.4	15.4	15.4	15.4	15.4	15.5	15.5	15.4	15.5	15.4	15.4	15.2	14.8	14.8	14.9	15.0	15.2	14.9	14.9	14.8	13.4		15.6	8	13.4	30
PARKERSBURG WB CITY	36	10.8h	10.8h	11.0h	10.7h	10.4h	10.7h	10.9h	10.7h	10.8h	10.4h	10.6h	10.8h	10.6h	10.5h	11.1h	11.0h	10.7h	10.8h	10.8h	11.1h	11.2h	11.2h	11.2h	10.8h	11.1h	11.2h	11.2h	11.3h	13.0h	14.7		14.7	30	10.4	5+
RAVENSWOOD DAM 22 LOWER	44	9.0	9.3	9.3	9.6	9.3	8.5	10.3	10.4	10.0	8.4	10.3	10.2	10.2	9.8	10.1	8.8	9.8	9.5	9.9	10.2	10.6	11.2	10.9	11.4	8.3	10.7	11.1	12.3				12.3	28	8.0	1
RAVENSWOOD DAM 22 UPPER	44	15.5h	15.3h	15.3h	15.3h	15.5h	15.6h	15.2h	15.2h	15.2h	15.0h	15.2h	15.3h	15.5h	15.3h	15.4h	15.4h	15.4h	15.4h	15.6h	14.9h	15.0h	14.6h	14.6h	14.8h	14.8h	15.0h	14.7h	14.8h	14.7h	18.0		18.0	30	14.6	22+
POINT PLEASANT	40	24.5	24.0	24.2	24.0	24.1	24.3	24.5	24.5	24.0	24.2	24.5	24.2	24.0	24.4	24.2	23.7	24.3	23.8	24.2	24.3	24.4	24.6	24.1	24.4		24.3	24.3	24.7	25.5	27.2		27.2	30	23.7	16
BOGSETT GALLIPOLIS DAM L	50	8.7	10.3	9.6	8.5	10.0	10.0	12.8	11.7	11.8	12.3	11.1	11.8	10.8	12.0	10.8	10.2	11.1	10.6	10.0	11.2	11.2	13.1	14.2	13.2	12.3	12.5	12.7	14.0	20.0	26.6		26.6	30	9.5	4
BOGSETT GALLIPOLIS DAM U	35	17.9h	18.5h	18.0h	17.9h	18.2h	19.2h	18.3h	18.3h	17.9h	18.1h	18.4h	18.0h	18.0h	18.2h	18.2h	17.8h	18.3h	17.8h	18.2h	18.2h	19.1h	19.4h	17.8h	19.1h	17.7h	19.3h	18.2h	18.5h	18.3h	18.2		18.5	2+	17.7	25

The following reference notes apply only to Table 7 - Daily River Stages:

Readings are made at approximately 7 a.m. (local time). They are provisional and subject to correction. Final and corrected stages will be published in the annual publication "Daily River Stages - Principal Rivers of the United States".

a Obstructed by rough ice.
b Frozen hut open at gage.
c Upper surface of smooth ice.
d Ice gorge above gage.
e Ice gorge below gage.
f Shore ice.
g Floating ice.
h Pool stage.
i Dry at gage.
j Interpolated.

STATION INDEX

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION			YEARS OF RECORD			OBSERVER	REFER TO TABLES
							ZONE	TEMP.	PRECIP.	TEMP.	PRECIP.	EVAP.		
ABERDEEN	0012	UPSHUR	WEST FORK	39 03	80 19	1060	EST		4P		24		L ESLE BOND	3
ALDERSON	0102	MONROE	GREENBRIER	37 43	80 39	1550	EST	6P	6P	2	2		JOHN E FOSTER	2 3 5
ALPENA	0143	RANDOLPH	CHEAT	38 55	79 40	3020	EST		8A		14		ARTHUR G ROY	3
ARBOVALE	0249	POCAHONTAS	GREENBRIER	38 26	79 49	2734	EST		8A		25		H S SUTTON	3
ARNOLD	0307	LEWIS	WEST FORK	38 55	80 30	1100	EST		5P				E C GAY	3
ATHENS 1 MI E	0355	MERCER	BLUESTONE	37 25	81 01	2600	EST	6P	6P	3	7		CONCORD COLLEGE	2 3 5
BARTOW	0509	POCAHONTAS	GREENBRIER	38 32	70 41	2780	EST	5P	5P		16		U S FOREST SERVICE	2 3 5
BAYARD	0527	GRANT	POTOMAC-N BRANCH	39 16	79 22	2370	EST	7P	7P	45	43		HOWARD R FULK	2 3 5
BECKLEY V A HOSPITAL	0580	RALEIGH	NEW	37 47	81 11	2350	EST	4P	4P	41	41		CORPS OF ENGINEERS	2 3 5
BELINGTON	0633	BARBOUR	TYGART	39 02	79 56	1725	EST		7A		10		GEORGE R RILLYARD	3
BELLEVILLE DAM 20 LOWER	0645	WOOD	OHIO	39 09	81 45	600	EST		7A		31		LOCKMASTER	3
BENSON	0679	HARRISON	TYGART	39 09	80 03	1080	EST	4P	4P	23	23		R D MARTS	2 3 5
BENS RUN	0687	PLEASANTS	OHIO	39 27	81 07	652	EST	7P	7P	47	47		MRS C W REA	2 3 5
BERLIN	0718	LEWIS	WEST FORK	39 03	80 21	1050	EST		8A		2		MRS A P SWISHER	3
BIG SKIN CREEK	0824	LEWIS	WEST FORK	38 57	80 26	1050	EST		6P		8		ALBERT JEWELL	3
BLUEFIELD 1	0918	MERCER	BLUESTONE	37 16	81 13	2590	EST	5P	5P	49	53		NORFOLK & WESTERN RWY	2 3 5
BLUEFIELD 2	0923	MERCER	BLUESTONE	37 16	81 13	2590	EST		7A				OTA C KEENEY	3
BLUESTONE DAM 3 MI S	0939	SUMMERS	BLUESTONE	37 38	80 53	1395	EST	8A	8A	5	5		U S CORPS OF ENGINEERS	2 3 5
BRANCHLAND	1075	LINCOLN	GUYANDOT	38 13	82 12	600	EST		7A		5		VERLIN H ADKINS	3
BRANDONVILLE	1083	PRESTON	CHEAT	39 40	79 37	1798	EST	10A	10A	6	16		JAMES I GALLOWAY	2 3 5
BRANDYWINE	1091	PENDLETON	SOUTH BRANCH-S FORK	38 38	79 14	1586	EST	6P	6P	31	31		MRS MARY M JOSEPH	2 3 5
BROWNSVILLE	1173	LEWIS	WEST FORK	39 03	80 29	1032	EST	4P	4P	24	24		M D HAWKINS	2 3 5
BRUSHY FORK	1196	HARRISON	WEST FORK	39 13	80 13	1030	EST		4P		1		MRS ABBIE PARKS	3
BRUSHY RUN	1204	PENDLETON	POTOMAC-S BRANCH	38 50	79 15	1375	EST		7A		9		JOHN B SHREVE	3
BUCKHANNON	1220	UPSHUR	BUCKHANNON	39 00	80 16	1459	EST	6P	6P	53	57		DR ARTHUR B GOULD	2 3 5
CABWAYLINGO STATE FOREST	1319	WAYNE	TWELVEPOLE CREEK	37 59	82 21	740	EST	6P	6P				FOREST CUSTODIAN	2 3 5
CAIRO 3 MI S	1328	RITCHIE	HUGHES	39 10	81 10	680	EST	6P	6P	42	38		EUREKA PIPE LINE CO	2 3 5
CAMDEN-ON-GAULEY	1363	WEBSTER	GAULEY	38 22	80 38	2029	EST		8A		46		WILLIAM F COMPTON	3 7
CANAAN VALLEY	1393	TUCKER	CHEAT	39 03	79 26	3250	EST	6P	6P	3	3		GEORGE B THOMPSON	2 3 5
CHARLESTON-KANAWHA CO AIRPORT	1570	KANAWHA	KANAWHA	38 22	81 36	950	EST		x				CIVIL AERO ADM	3 4
CHARLESTON 1	1575	KANAWHA	KANAWHA	38 21	81 38	615	EST	9A	9A	44	61		W VA WATER SERVICE CO	2 3 5
CHARLESTON 2	1580	KANAWHA	KANAWHA	38 21	81 38		EST		7A				JAMES R WOODFORD	3 7
CHARLESTON 3	1585	KANAWHA	KANAWHA	38 21	81 38	600	EST		MID				WILLIAM KESSLER	3 4
CLARKSBURG-BENEDUM FIELD	1672	HARRISON	WEST FORK	39 17	80 14	1188	EST	MID	x	8	8		U S AIRWAY STATION	2 3 4 5
CLARKSBURG 1	1677	HARRISON	WEST FORK	39 16	80 21	1015	EST	7A	7A	25	31	23	PERKINS BOYNTON	2 3 5 6
CLARKSBURG 2	1682	HARRISON	WEST FORK	39 17	80 20	1000	EST		6P		4		SAMUEL R PERINE	3 4
CLAY 1	1696	CLAY	ELK	38 27	81 05	790	EST		7A		34		PETER H FRANKFORT	7
CLAY 2	1701	CLAY	ELK	38 28	81 04	650	EST		MID				MUNICIPAL WATER PLANT	3 4
COALWOOD	1798	MC DOWELL	TUG FORK	37 23	81 39	1450	EST	5P	5P	5	5		W A MC NEES	2 3 5
COBURN CREEK	1806	HARRISON	WEST FORK	39 15	80 26	1075	EST		5P		2		MISS I M GREATHOUSE	3
CRANBERRY GLADES	2013	POCAHONTAS	GREENBRIER	38 11	80 16	3400	EST	6P	6P	4	4		FEDERAL PRISON CAMP	2 3 5
CRAWFORD	2022	LEWIS	WEST FORK	38 52	80 26	1107	EST		6P		24		MISS BELLE BLAIR	3
CRESTON	2054	WIRT	LITTLE KANAWHA	38 57	81 16	656	EST		7A		47		MRS NELLIE B ARTHUR	3 7
DAILEY	2151	RANDOLPH	TYGART	38 49	79 53	1975	EST		7A		10		LAURA E FULWIDER	3
DAVIS	2209	TUCKER	CHEAT	39 08	79 27	3120	EST		MID		10		MARY DUMAS	3 4
DAVISSON RUN	2217	HARRISON	WEST FORK	39 16	80 24	1000	EST		6P		3		MRS I R ALESTOCK	3
DUCK CREEK	2488	HARRISON	WEST FORK	39 09	80 24	1068	EST		9A		2		MRS A ELEANOR TALBOTT	3
ELK	2701	HARRISON	WEST FORK	39 11	80 14	1000	EST		5P		11		MRS S R HARRISON JR	3
ELKINS 1	2713	RANDOLPH	TYGART	38 53	79 51		EST		7A				D M TYLER	3
ELKINS WB AIRPORT	2718	RANDOLPH	TYGART	38 53	79 51	2006	EST	MID	MID	49	49		U S WEATHER BUREAU	2 3 4 5 7
FAIRMONT	2920	MARION	MONONGAHELA	39 28	80 09	1023	EST	MID	MID	43	56		GLENN L MILLAN	2 3 5
FINK RUN	3024	UPSHUR	BUCKHANNON	39 00	80 16	1420	EST		4P		2		MRS BERTHA M HILL	3
FLAT TOP	3072	MERCER	BLUESTONE	37 35	81 06	3270	EST	MID	1A	10	10		U S AIRWAY STATION	2 3 4 5
FRANKLIN	3215	PENDLETON	POTOMAC- S BRANCH	38 42	79 20	1750	EST		7A		11		DICK B MURPHY	3 4
FREEMANSBURG	3238	LEWIS	WEST FORK	39 06	80 32	1030	EST		MID		10		EDDIE MC INTYRE	3 4
GARY	3353	MC DOWELL	TUG FORK	37 22	81 33	1426	EST	8A	8A	28	31		E F KETTER	2 3 4 5
GLENVILLE 1	3544	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	6P	7A	53	59		FRED W WELLS	2 3 5
GLENVILLE 2	3549	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	7A			59		MRS KATHLEEN W WELLS	7
GRAFTON	3630	TAYLOR	TYGART	39 21	80 01	1100	EST	6P	6P	53	51		WILLIAM D MYERS	2 3 5
GRANTSVILLE	3648	CALHOUN	LITTLE KANAWHA	38 56	81 06	730	EST	8A	8A	2	2		HOPE NATURAL GAS CO	2 3 5
HACKERS CREEK	3793	HARRISON	WEST FORK	39 08	80 26	1020	EST		5P		11		FOREST ENGELHARDT	3
HALL	3816	BARBOUR	BUCKHANNON	39 03	80 07	1375	EST		MID		9		MRS OPAL R JACKSON	3 4
HAMLIN	3846	LINCOLN	MUD	38 17	82 06	642	EST	8A	8A	5	5		W VA WATER SERVICE CO	2 3 5
HARPERS FERRY	3927	JEFFERSON	POTOMAC	39 19	77 44	400	EST		7A		59		MISS ELEANOR J WHITE	3 7
HARRISON	3935	MINERAL	POTOMAC- N BRANCH	39 22	79 12	1700	EST		8A		8		LEONARD E PAUGH	3
HASTINGS	3974	WETZEL	OHIO	39 33	80 40	809	EST		3P		12		L G MC INTYRE	3
HINTON 1	4170	SUMMERS	NEW	37 40	80 53	1431	EST	7A	7A	50	59		MRS M L MC CLUNG	2 3 5
HINTON 2	4175	SUMMERS	NEW	37 40	80 53		EST						LOCKMSTR LONDON LOCKS	7
HOGSETT GALLIPOLIS DAM LOWER	4200	MASON	OHIO	38 41	82 11	564	EST		7A		10		LOCKMASTER	3 7
HOGSETT GALLIPOLIS DAM UPPER	4201	MASON	OHIO	38 41	82 11		EST						LOCKMASTER	7
HORNER	4281	LEWIS	WEST FORK	38 59	80 22	1075	EST		4P		24		MAPLE R SUMMERS	3
HOULT LOCK 15 LOWER	4309	MARION	MONONGAHELA	39 34	80 08	882	EST		7A		26		LOCKMASTER	3 7
HOULT LOCK 15 UPPER	4310	MARION	MONONGAHELA	39 34	80 08		EST						LOCKMASTER	7
HUNDRED	4369	WETZEL	OHIO	39 41	80 27	1034	EST		MID		10		J A FURBEE	3 4
HUNTINGTON 1	4378	CABELL	OHIO	38 25	82 26	571	EST	6P	6P	51	52		H N ROBINSON	2 3 5
HUNTINGTON 2	4383	CABELL	OHIO	38 25	82 26	600	EST		MID				U S ENGINEERS	3 4
IAEGER	4408	MC DOWELL	TUG FORK	37 28	81 49		EST		7A		1		MRS TINA L TANNER	3
INWOOD	4470	BERKELEY	POTOMAC	39 22	78 03	569	EST	5P	5P	13	14			2 3 5
IRELAND	4478	LEWIS	WEST FORK	38 49	80 28	1142	EST		7A		11		PAUL H LOUDIN	3
ISAACS CREEK	4499	HARRISON	WEST FORK	39 12	80 30	1063	EST		5P		2		MRS C A MOORE	3
JANE LEW	4559	LEWIS	WEST FORK	39 06	80 25	1020	EST		4P		24		MRS RETA GOLDSMITH	3
JESSE RUN	4619	LEWIS	WEST FORK	39 06	80 20	1080	EST		7P		1		WIRT C MYERS	3
KANAWHA FALLS	4727	FAYETTE	KANAWHA	38 07	81 08		EST						LOCKMSTR LONDON LOCKS	7
KAYFORD	4755	KANAWHA	KANAWHA	38 01	81 27	1335	EST		7A		31		TRUAX-TRAER COAL CO	3
KEARNEYSVILLE 1 MI NW	4763	JEFFERSON	POTOMAC	39 23	77 53	548	EST	6P	6P	17	18		UNIVERSITY EXP STA	2 3 5
KERMIT	4816	MINGO	TUG	37 50	82 25	620	EST		7A		23		ROY A DEMPSEY	3
KINGWOOD	4897	PRESTON	CHEAT	39 28	79 42	1890	EST	5P	5P	4	4		TOWN OF KINGWOOD	3

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TEMP.	PRECIP.	YEARS OF RECORD: TEMP.	PRECIP.	EVAP.	OBSERVER	REFER TO TABLES
KNOBLY MOUNTAIN	4941	MINERAL	POTOMAC	39 22	79 00	1400	EST		7A		8		DAVID A ARNOLD	3
KUMBRABOW STATE FOREST	4971	RANDOLPH	TYGART	38 35	80 05	3210	EST	5P	5P	8	8		O C HAMILTON	2 3 5
LAKE FLOYD	4994	HARRISON	WEST FORK	39 17	80 30	1110	EST		6P		2		W M BENNETT	3
LAKE LYNN	5002	MONONGALIA	CHEAT	39 43	79 51	900	EST		MID		24		WEST PENN POWER CO	3 4
LAKIN	5010	MASON	OHIO	38 58	82 05	640	EST		MID				W VA AGR EXP FARM	3 4
LE SAGE-GREENBOTTOM	5055	CABELL	OHIO	38 33	82 17	550	EST	8A	8A	10	10		STATE FOREST NURSERY	2 3 5
LEWISBURG	5224	GREENBRIER	GREENBRIER	37 48	80 26	2250	EST	5P	5P	46	52		PROF H B GRAYBILL	2 3 5
LINDSIDE	5284	MONROE	NEW	37 27	80 40	2000	EST		8A		8		MRS K L BALLARD	3
LITTLE SKIN CREEK	5314	LEWIS	WEST FORK	38 58	80 25	1068	EST		6P		2		MRS ROY HAWKINS	3
LIVERPOOL	5323	JACKSON	OHIO	38 54	81 32		EST		MID				BROOKS E UTT	3 4
LOCKNEY	5341	GILMER	LITTLE KANAWHA	38 51	80 58	720	EST		MID				HOPE NATURAL GAS CO	3 4
LOGAN	5353	LOGAN	GUYANDOT	37 51	82 00	700	EST	8A	8A	21	35		J W RUFF	2 3 4 5 7
LONDON LOCKS LOWER	5365	KANAWHA	KANAWHA	38 12	81 22	623	EST	7A	7A	13	13		LOCKMASTER	2 3 5 7
LONDON LOCKS UPPER	5366	KANAWHA	KANAWHA	38 12	81 22		EST						LOCKMASTER	7
MAC FARLAN	5547	RITCHIE	HUGHES	39 05	81 12	670	EST		MID				FRANK P PRIBBLE	3 4
MADISON	5563	BOONE	LITTLE COAL	38 03	81 49	675	EST	8A	8A	26	27		W VA WATER SERVICE CO	2 3 5
MAN	5600	LOGAN	GUYANDOT	37 44	81 53	729	EST		5P		6		RUSSELL E WHITE	3
MANNINGTON 1 MI N	5621	MARION	MONONGAHELA	39 33	80 21	974	EST	6P	6P	46	46		JAMES A MORGAN	2 3 5
MANNINGTON 2	5626	MARION	MONONGAHELA	39 32	80 21	980	EST		8A		2		BENJAMIN S SMITH	3
MARLINTON	5672	POCAHONTAS	GREENBRIER	38 13	80 05	2150	EST		MID				CECIL A CURRY	3 4
MARTINSBURG MUNICIPAL AIRPORT	5707	BERKELEY	POTOMAC	39 24	77 59	545	EST	MID	MID	50	56		CIVIL AERO ADM	2 3 4 5
MATHIAS	5739	HARDY	LOST RIVER	38 52	78 52	1550	EST		MID				VIRGIL L MATHIAS	3 4
MC MECHEN DAM 13 1 MI W	5847	MARSHALL	OHIO	39 59	80 44	646	EST		7A		32		LOCKMASTER	3
MC NEILL 2 MI NE	5855	HARDY	POTOMAC-S BRANCH	39 09	78 54	800	EST	6P	6P	14	14		R E SAVILLE	2 3 5
MIDDLEBOURNE 3 MI SE	5963	TYLER	OHIO	39 29	80 52	750	EST	7A	7A	7	7		LAWRENCE A CRUMRINE	2 3 5
MIDVALE	5984	RANDOLPH	TYGART-MIDDLE FORK	38 56	80 06	1850	EST		7A		10		MRS RUTH G DARNALL	3
MOOREFIELD	6163	HARDY	POTOMAC-S BRANCH	39 04	78 58	800	EST	6P	MID	40	40		HAROLD J DODD	2 3 4 5
MORGANTOWN MUNICIPAL AIRPORT	6202	MONONGALIA	MONONGAHELA	39 38	79 55	1245	EST	MID	MID	2	2		CIVIL AERO ADM	2 3 4 5
MORGANTOWN 1	6207	MONONGALIA	MONONGAHELA	39 38	79 57	1050	EST	6P	6P	54	72		PROF L M PEAIRS	2 3 5
MORGANTOWN LOCK 10 LOWER	6212	MONONGALIA	MONONGAHELA	39 38	79 58	826	EST	7A	7A	26	26		LOCKMASTER	2 3 5 7
MORGANTOWN LOCK 10 UPPER	6213	MONONGALIA	MONONGAHELA	39 38	79 58		EST						LOCKMASTER	7
MOUNT CLARE	6276	HARRISON	WEST FORK	39 13	80 20	1040	EST		6P		11		MISS PAULINE HESS	3
NAOMA 1 MI E	6362	RALEIGH	COAL	37 52	81 30	1125	EST		7A		5		HARLEY C WALKER	3 4
NEW CUMBERLAND DAM 9	6442	HANCOCK	OHIO	40 30	80 37	671	EST	6P	6P	53	50		C O VALENTINE	2 3 5
NEW MARTINSVILLE	6467	WETZEL	OHIO	39 39	80 52	637	EST	6P	6P	55	54		DR Z W ANKROM	2 3 5
OAK HILL	6591	FAYETTE	NEW	37 58	81 09	1950	EST	7A	7A	6	6		MILES H MARTIN	2 3 4 5
OMPS	6674	MORGAN	POTOMAC	39 30	78 17	950	EST		7A		2		MISS MARY O HOVERMALE	3
PARKERSBURG-WOOD CO AIRPORT	6849	WOOD	OHIO	39 21	81 26	837	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
PARKERSBURG WB CITY	6859	WOOD	OHIO	39 16	81 34	615	EST	7A	7A	59	63		U S WEATHER BUREAU	2 3 4 5 7
PARSONS	6867	TUCKER	CHEAT	39 06	79 40	1649	EST	5P	5P	49	49		D A OLIVER	2 3 5
PAW PAW	6876	MORGAN	POTOMAC	39 32	78 28		EST						MISS LILLIAN E HESSER	3
PETERSBURG WB CITY	6954	GRANT	POTOMAC-S BRANCH	39 00	79 07	1013	EST	MID	MID	9	9		U S WEATHER BUREAU	2 3 4 5
PHILIPPI	6982	BARBOUR	TYGART	39 04	80 03	1300	EST		7A		55		MRS HELEN M LEACH	3 7
PICKENS 2	6996	RANDOLPH	BUCKHANNON	38 39	80 13	2701	EST		7A		8		MRS ELSIE M ARMSTRONG	3
PIEDMONT	7004	MINERAL	NORTH BRANCH	39 29	79 02	1053	EST	5P	5P	34	33		C A SUTER JR	2 3 5
PINEVILLE	7029	WYOMING	GUYANDOT	37 35	81 32	1350	EST	7A	7A	5	5		WALTER C BYRD	2 3 5
POINT PLEASANT	7105	MASON	OHIO	38 51	82 08	540	EST	4P	7A	54	58		E C WINGER	2 3 5 7
POLK CREEK	7115	LEWIS	WEST FORK	39 03	80 34	1074	EST		5P		2		HOWARD CUNNINGHAM	3
PRINCETON	7207	MERCER	BLUESTONE	37 22	81 05	2410	EST		7A		18		W VA WATER SERVICE CO	3
RAINELLE 1	7306	GREENBRIER	GAULEY	37 55	80 51	2424	EST	6P	6P	17	17		L G SWING	2 3 5
RAINELLE 2	7311	GREENBRIER	GAULEY	37 55	80 51		EST		7A				BLUFORD L WHISMON	CLOSED
RAVENSWOOD DAM 22 LOWER	7352	JACKSON	OHIO	38 57	81 45	584	EST	4P	8A	25	33		LOCKMASTER	2 3 5 7
RAVENSWOOD DAM 22 UPPER	7353	JACKSON	OHIO	38 57	81 45		EST						LOCKMASTER	7
RENICK	7444	GREENBRIER	GREENBRIER	38 00	80 21	1950	EST		7A		32		MARY V MC FERRIN	3
RICHWOOD	7502	NICHOLAS	GAULEY	38 14	80 32	2193	EST	8A	8A	17	17		VIANIS S STOCKWELL	2 3 5
RIGHT FORK OF STONECOAL CREEK	7536	LEWIS	WEST FORK	38 54	80 26	1086	EST		3P		2		CREED R SUMMERS	3
RIPLEY	7552	JACKSON	OHIO	38 49	81 43	610	EST	4P	4P	2	2		R B PARSONS	2 3 5
ROANOKE	7598	LEWIS	WEST FORK	38 56	80 29	1050	EST		4P		24		MISS MARY A CONRAD	3
ROCKFORD	7658	HARRISON	WEST FORK	39 08	80 20	1035	EST		6P		11		CREED FOGG	3
ROHRBOUGH	7718	LEWIS	WEST FORK	38 59	80 30	1036	EST		4P		2		MISS ELAINE CUTRIGHT	3
ROMNEY	7730	HAMPSHIRE	POTOMAC-S BRANCH	39 21	78 45	824	EST	5P	5P	47	46		MARION W HAINES	2 3 5
ROWLESBURG 1	7785	PRESTON	CHEAT	39 21	79 40	1375	EST	7A	7A	6	63		WALTER H BOLYARD	2 3 5
ROWLESBURG 2	7790	PRESTON	CHEAT	39 21	79 40	1375	EST		6A				LAKE LYNN OPERATOR	3
SALEM	7883	HARRISON	WEST FORK	39 17	80 34	1047	EST	6P	6P	2	10		MISS LOIS M JONES	2 3 5
SAND FORK	7901	LEWIS	WEST FORK	38 54	80 25	1088	EST		5P		2		MRS J E WEIDLICH	3
SENECA STATE FOREST	8051	POCAHONTAS	GREENBRIER	38 18	79 56	2650	EST	5P	5P	7	7		FOREST CUSTODIAN	3
SHADY SPRINGS	8083	RALEIGH	NEW	37 42	81 03	2150	EST	5P	5P	7	7		C T KESSINGER	2 3 5
SHINNSTON	8145	HARRISON	WEST FORK	39 23	80 18	910	EST		6P		10		MRS HARDIN R HARMER	3
SMITHBURG	8274	DODDRIDGE	OHIO	39 17	80 44	769	EST		MID		7		CHARLES F LOGSDON	3 4
SPENCER	8384	ROANE	LITTLE KANAWHA	38 48	81 21	789	EST	8A	8A	48	49		A M MC KOWN	2 3 5
SPRINGFIELD	8409	HAMPSHIRE	POTOMAC-S BRANCH	39 26	78 43	700	EST		7A		8		HARRY L GRACE	3 4
SPRUCE KNOB	8432	PENDLETON	POTOMAC-S BRANCH	38 42	79 32	4550	EST		7A		16		MOSES R BENNETT	3
STONY RIVER DAM	8536	GRANT	POTOMAC-S BRANCH	39 08	79 18	3300	EST	8A	8A		28		FRED BECKER	2 3 5
SUGARCAMP RUN	8580	LEWIS	WEST FORK	38 50	80 25	1180	EST		n		2		MRS BESSIE GREINER	3
SUMMERSVILLE	8608	NICHOLAS	GAULEY	38 17	80 51	1900	EST	8A	8A	12	12		ALLEN E DORSEY	2 3 4 5
SUTTON	8652	BRAXTON	ELK	38 40	80 42	900	EST	4P	4P	45	45		C B EAKLE	2 3 5
SUTTON 1 MI E	8657	BRAXTON	ELK	38 40	80 42	900	EST	MID					W E DUNCAN	3 4
SYCAMORE CREEK	8699	HARRISON	WEST FORK	38 14	80 25	1000	EST		6P		3		MRS GAY DAVISSON	3
TERRA ALTA 1	8777	PRESTON	CHEAT	39 27	79 31	2559	EST	6P	6P	47	37		HOPEMONT SANATARIUM	2 3 5
TERRA ALTA 2	8782	PRESTON	CHEAT	39 27	79 32	2620	EST		MID		10		B F MC CONNELL	3 4
THOMAS	8807	TUCKER	CHEAT	39 09	79 30	3000	EST		7A		19		WILLIAM SLEEMAN	3
TRIBBLE	8924	MASON	KANAWHA	38 41	81 50	630	EST		MID				NORMA RUTH CASTO	3 4
TYGART DAM	8986	TAYLOR	TYGART	39 19	80 02	1200	EST		MID		10		FRED E FLOYD	3 4
UNION	9011	MONROE	GREENBRIER	37 36	80 32	2200	EST	7A	7A	44	43		MRS THELMA F SPANGLER	2 3 4 5
UPPER DAVISSON RUN	9036	HARRISON	WEST FORK	39 16	80 26	1084	EST		5P		2		MRS A VANSCOY	3
UPPER SYCAMORE CREEK	9044	HARRISON	WEST FORK	39 14	80 27	1074	EST		7A		1		O A POST	3
VALLEY CHAPEL	9072	LEWIS	WEST FORK	39 06	80 24	1011	EST	4P	4P	24	24		ROSCOE H JACKSON	2 3 5

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION ZONE	TIME OF OBSERVATION TEMP.	TIME OF OBSERVATION PRECIP.	YEARS OF RECORD TEMP.	YEARS OF RECORD PRECIP.	YEARS OF RECORD EVAP.	OBSERVER	REFER TO TABLE
VALLEY HEAD	9086	RANDOLPH	TYGART	38 33	80 02	2425	EST		MID		10		KENT SWECKER	3 4
VANDALIA	9104	LEWIS	WEST FORK	38 56	80 24	1120	EST		6P		24		MI88 MARY LEE HORNOR	3
VIENNA-BRISCOE 2 MI N	9168	WOOD	OHIO	39 21	81 32	634	EST	5P	5P	1	6		G J DICKEY	2 3 5
WARDENSVILLE R M FARM	9281	HARDY	CACAPON	39 06	78 34	1200	EST	9A	9A	30	29	8	UNIVERSITY EXP STA	2 3 5 6
WASHINGTON DAM 19	9309	WOOD	OHIO	39 16	81 42	600	EST		7A		31		LOCKMASTER	3
WAYNE	9321	WAYNE	TWELVEPOLE CREEK	38 13	82 26	598	EST		7A		23		MRS B F FERGUSON	3
WEBSTER SPRINGS	9333	WEBSTER	ELK	38 29	80 25	1560	EST	6P	6P	13	14		ROSCOE GREGORY	2 3 4 5
WELLSBURG 3 MI NE	9368	BROOKE	OHIO	40 19	80 35	668	EST	6P	6P	48	55		GEORGE P PFISTER	2 3 5
WEST MILFORD	9428	HARRISON	WEST FORK	39 12	80 24	979	EST		4P		22		SCOTLAND G HIGHLAND	3
WESTON	9436	LEWIS	WEST FORK	39 02	80 28	1026	EST	7A	7A	25	57		J ARTHUR HENRY	2 3 5
WHEELING-OHIO COUNTY AIRPORT	9487	OHIO	OHIO	40 11	80 38	1190	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
WHEELING WARWOOD DAM 12 LOWER	9492	OHIO	OHIO	40 06	80 42	659	EST	8A	8A	40	64		LOCKMASTER	2 3 5
WHEELING WARWOOD DAM 12 UPPER	9493	OHIO	OHIO	40 06	80 42		EST						LOCKMASTER	
WHITE SULPHUR SPRINGS 1 MI W	9522	GREENBRIER	GREENBRIER	37 48	80 18	1914	EST	5P	5P	35	34		GREENBRIER HOTEL	2 3 5
WILLIAMSON	9605	MINGO	TUG FORK	37 40	82 17	673	EST	8A	8A	46	47		NORFOLK & WESTERN RWY	2 3 5
WINFIELD LOCKS	9683	PUTNAM	KANAWHA	38 32	81 52	571	EST	7A	7A	10	10		LOCKMASTER	2 3 5
YAWKEY	9805	LINCOLN	MUD	38 14	81 58		EST		MID				EMMETT W VALENTINE	3 4

NEW STATIONS

BERKELEY SPRINGS	0710	MORGAN	POTOMAC	39 37	78 14	640	EST	6P	6P				HENRY M RUPPENTHAL III	2 3 5
PICKENS 1	6991	RANDOLPH	BUCKHANNON	38 40	80 13	2695	EST	7P	7P				ALEXANDER W EWING	2 3 5
ST MARYS	7875	PLEASANTS	OHIO	39 23	81 12	635	EST		9A				H N TAYLOR	3

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are aesigned on a state hasis. There will he no duplication of numbe within a etate.

Stations appearing in the Index, hut for which data are not listed in the tahles, are either missing or received too late for inclusion in thie iseue.

Delayed data and corrections will he carried only in the June and December issues of thie hulletin.

Data in Tahlee 3, 5 and 6 are for the 24-houre ending at time of ohservation. See the Station Index for ohservation time.

Unlese otherwise indicated, dimensional unite used in this hulletin are: Temperature in °F., precipitation and evaporation in inches, river stages in feet and wind movement in milee.

- \- No record.
- \+ And aleo on later datee.
- * Amount included in following meaeurement, time distrihution unknown.
- // Gage ie equipped with windshield.
- 6 No recording gage, precipitation is measured at 6-hourly intervale.
- m One or more daye of record mieeing; eee Tahle 5 for detailed daily record.
- r Station equipped with recording gage only. All amounte in Tahle 3 are from the non-recording gages, except for etations with thie reference.
- x Daily precipitation totale in Tahle 3 are for the 24-houre ending at 1:30 A.M., E.S.T., of the following day.
- z Hourly amounts from the recording gage at the eame eite may he found in Tahle 4.
- T Trace, an amount too emall to measure.

When hourly precipitation is accumulated over a period of 3 or more calendar days, with unknown hourly or daily dietrihution, the firet and last days are shown in Tahle 4.

When hourly precipitation is mieeing for several days, only the firet and laet days are ehown in Tahle 4.

Data in Tahle 4 were formerly puhliehed in the Hydrologic Bulletine for North Atlantic Dietrict and Ohio River Dietrict. Amounte in thie tahle are from recording gagee. Traces are not ehown.

Suhecription Price: 15¢ per copy; $1.50 a year. (Yearly euhscription includes Annual 8ummary. Correspondence regarding euhscriptions should he addressed to the Weather Recorde Proceseing Center, Federal Building, Alhany 1, N.Y.)

W R P C, Alhany, N.Y. - - - 2-14-49 - - - 975

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U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

APR 4 1949
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

WEST VIRGINIA

DECEMBER 1948

Volume LVI No. 12

ALBANY: 1949

WEST VIRGINIA - DECEMBER 1948

Victor T. Horn, Section Director - Parkersburg

GENERAL SUMMARY

The first half of the month was warm with but few days below normal in temperature. There was a decided trend toward lower temperatures in the second half climaxing in very cold weather between the 23rd and 28th. Eleven stations reported below-zero temperatures on the 26th and ten, on the 27th.

It was the seventh wettest December of record. The average monthly rainfall, 4.97 inches, was 1.71 inches above normal and the most December precipitation for the State since the 5.42 inches which fell in December 1942. In the northeastern panhandle division, the average was 4.45 inches making it the second wettest December for that division, exceeded only by December 1901 with its 5.17 inches. On the 19th, a snow storm hindered traffic for some hours in the mountains and in the northeastern panhandle division. As a result of heavy rains, averaging a total of about 4 inches, beginning on the 14th and ending on the 17th, the Little Kanawha River went out of its banks and was above flood stage at both Glenville and Creston from the 15th to the 17th, cresting 5 to 6 feet above flood stages at both places on the 16th. Only slight flood damage but considerable personal inconvenience were reported.

The first 13 days of the month were very favorable for outdoor activities. The soil was in good condition for transplanting trees and bushes. The last half of the month started warm and wet, then turned colder with sub-zero temperatures reached on the 26-27th. It was not a good month for farm butchering because of the too high daytime temperatures which occurred rather generally almóst until Christmas day. Winter grains and pasture grasses seemed to be in very good shape at the close of the month. - - - C.L.W.

TEMPERATURE

The average monthly temperature for the State, based on the records of 79 stations was 37.7°, or 3.1° above the normal. The mean for the northeastern panhandle division was 36.1°; for the northern division, 36.8°; and for the southern division, 38.7°. The highest monthly mean was 42.2° at London Locks; and the lowest, 31.9° at Bayard. The highest temperature was 71° at Cabwaylingo State Forest on the 6th and at Williamson on the 14th; and the lowest, -12° at Union on the 27th.

PRECIPITATION

The average monthly precipitation for the State, based on the records of 79 stations, was 4.97 inches, or 1.71 inches above the normal. In the northeastern panhandle division, the average was 4.45 inches; in the northern division, 5.18 inches; and in the southern division, 4.97 inches. The greatest monthly precipitation was 8.72 inches at Pickens No. 1, and the least 2.69 inches at Wheeling-Ohio County Airport. The greatest amount in any observational day was 3.10 inches at Rainelle No. 1 on the 15th. The average monthly snowfall was 5.0 inches, or 1.4 inches below the normal. The greatest monthly snowfall was 19.0 inches at Athens. The average number of days with 0.01 inch or more of precipitation was 11.

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages--mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related work by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1939 and 1944, and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work, and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Western States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

PRESSURE, WIND, HUMIDITY, SUNSHINE, DEGREE DAYS

Station	Sea level pressure extremes—inches				Wind speed—m. p. h.				Relative humidity averages—percent				Sunshine	Degree days 65° base
	Highest	Date	Lowest	Date	Average	Maximum	Direction of maximum	Date of maximum	1:30 a. E.S.T.	7:30 a. E.S.T.	1:30 p. E.S.T.	7:30 a. E.S.T.	Percent of possible	
ELKINS WB AIRPORT	30.73	26	29.50	19	7.0	33	NW	13	87	90	67	77	38	997
PARKERSBURG WB CITY	30.71	29	29.54	19	6.0	18	NW	25	-	-	-	-	33	833

COMPARATIVE DATA

Table 1

Year	Temperature			Precipitation			Year	Temperature			Precipitation			Year	Temperature			Precipitation		
	Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more		Average	Highest	Lowest	Average	Average snowfall	No. of days .01 or more
1891	40.9	75	6	3.27			1911	39.3	74	4	3.27	1.6	12	1931	42.0	75	8	3.91	0.3	13
1892	34.1	72	-10	2.91		8	1912	35.8	76	- 6	2.88	7.1	10	1932	36.0	82	-12	2.83	6.9	12
1893	37.1	76	7	2.05		9	1913	36.4	68	3	2.82	2.9	8	1933	38.7	78	- 5	4.10	5.3	12
1894	36.3	80	-29	4.04		9	1914	30.3	70	-20	5.46	12.5	16	1934	33.5	78	- 8	2.20	4.9	10
1895	36.9	72	- 6	2.87	7.1	9	1915	32.8	68	0	4.35	7.6	11	1935	27.5	62	-20	3.66	20.5	17
1896	35.3	67	2	1.68		6	1916	32.8	77	-18	3.33	10.6	10	1936	37.2	70	- 8	4.02	4.5	11
1897	37.3	72	- 4	4.00		13	1917	24.3	67	-37	1.51	11.8	8	1937	32.2	66	- 9	2.66	7.4	13
1898	33.4	69	-12	2.66	7.0	10	1918	41.0	74	0	4.41	3.2	12	1938	34.7	69	- 5	1.81	2.1	9
1899	33.3	77	-17	2.81	3.9	10	1919	30.4	72	-15	4.07	7.8	9	1939	36.6	75	- 4	2.46	7.0	11
1900	34.6	66	3	2.26	1.0	7	1920	35.6	70	0	2.55	3.7	10	1940	40.4	72	-11	2.31	0.8	12
1901	32.3	75	- 9	5.84	3.8	11	1921	37.0	79	0	4.25	7.5	11	1941	39.3	74	2	2.24	1.0	9
1902	33.9	70	- 2	5.33	9.4	14	1922	36.6	75	2	4.71	3.6	11	1942	31.6	75	-21	5.42	13.2	15
1903	26.5	59	-11	2.00	7.8	8	1923	43.1	78	0	5.82	2.4	14	1943	32.1	66	-15	1.96	3.4	8
1904	32.8	71	-20	3.12	9.8	10	1924	33.1	83	- 8	2.58	1.7	10	1944	29.4	63	-15	4.63	23.2	13
1905	35.6	70	3	3.11	3.4	9	1925	32.5	75	- 8	1.20	2.7	7	1945	28.9	62	-10	2.57	11.3	13
1906	35.9	70	- 1	4.73	6.2	14	1926	33.9	72	-14	5.10	2.5	15	1946	38.2	77	- 6	2.44	3.9	9
1907	35.5	70	- 2	3.36	5.2	12	1927	34.4	78	- 6	3.72	3.8	12	1947	33.9	73	- 4	1.36	2.6	7
1908	36.4	73	5	3.03	6.0	10	1928	35.4	70	1	2.08	0.9	7	1948	37.7	71	-12	4.97	2.3	11
1909	28.8	78	-10	2.55	10.9	10	1929	36.6	73	-13	2.51	12.2	12							
1910	28.4	72	- 8	2.72	14.6	12	1930	30.9	66	-14	2.81	8.6	12	PERIOD	34.6	83	-37	3.26	6.5	11

CLIMATOLOGICAL DATA

Table 2

Station	Temperature						No. of days		Precipitation							No. of days		
													Snow, Sleet, Hail					
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Total	Max. depth on ground	Date	.01 or more	.25 or more	1.00 or more
NORTHEASTERN PANHANDLE DIVISION																		
BAYARD	31.9	3.8	56	7+	- 6	26		25	7.05	3.21	2.23	16	11.5	7.0	20	13	8	2
BERKELEY SPRINGS	36.3		67	13	5	27		25	4.99		1.40	15	6.4			8	6	2
BRANDYWINE	37.1m	2.9	66	13	1	26		21	3.05	.95	.88	15	6.0			6	5	
KEARNEYSVILLE 1 NW	36.4	1.1	60	6+	2	27		22	5.17	2.76	1.36	30		7.0	19	9	7	2
MARTINSBURG MUNICIPAL AP	35.2	1.2	66	13	2	27		22	5.02	2.26	1.35	15	8.0	8.0	19+	9	6	2
MOOREFIELD	36.9m		69	13	6	27		21	3.35		.85	16		5.0	19	10	6	
MOOREFIELD, MCNEILL	36.4	3.8	69	13	- 1	27		24	4.12	2.06	.96	15	0.5			9	6	
PETERSBURG WB CITY	37.5		69	13	6	27		24	3.77		1.44	15	4.8	3.0	19	9	5	1
PIEDMONT	36.6	3.6	64	13	6	27		20	4.97	2.56	1.80	16	7.0	7.0	19	11	5	1
ROMNEY	38.2	3.7	69	13	3	27		24	3.83	1.58	.83	16		4.0	19	12	5	
WARDENSVILLE R M FARM	34.5m	0.8	67	14	2	27		25	3.63	1.89	1.08	30				11	5	1
DIVISION	36.1								4.45									
NORTHERN DIVISION																		
BENSON	38.4	2.2	64	6+	5	26+		24	5.93	2.44	2.40	15	2.7	1.0	31	15	6	1
BENS RUN	39.1	4.3	64	16	9	27		20	4.17	.61	2.70	15	1.5			10	3	1
BRANDONVILLE	33.9m		59	14	- 4	27		23	5.85		2.18	16	15.0			12	5	2
BROWNSVILLE	38.6m	2.0	66	13	4	26+		24	5.62	2.30	2.21	15				10	5	2
BUCKHANNON	37.0	2.8	64	6+	5	26+		23	6.20	2.02	2.25	15	1.8	1.0	31	12	6	2
CAIRO 3 S	37.3m	2.6	66	16	4	27		23	4.87	1.42	2.70	15	1.0			11	5	1
CANAAN VALLEY	32.4		59	30	- 4	26		24			2.11	15	16.0			14		
CLARKSBURG NO 1	36.0	0.8	63	14	6	27		25	4.72	1.64	1.28	15+	T	T	11+	12	6	2
CRESTON								14	6.24	2.77	2.30	15				10	7	2
ELKINS WB AIRPORT	35.2m	3.5	63	13	2	27		25	5.71	2.25	1.92	15	5.7	2.0	31	15	7	1
FAIRMOUNT	37.0	3.0	63	13	8	26+		21	4.15	.66	2.10	15				8	6	1
GLENVILLE NO 1	39.6	3.7	65	15	8	26+		21	5.66	2.63	1.94	15	T	T	11+	13	7	2
GRAFTON	36.1	1.9	62	6+	3	27		24	6.06	2.98	2.04	15	3.2	2.0	31	12	6	2
GRANTSVILLE	38.3		69	14	8	27+		24	5.33		1.95	15				12	5	2
HASTINGS	36.1		62	13	1	27		24	5.23	1.61	1.83	15	1.7	1.0	19+	14	7	2
KUMBRABOW STATE FOREST	33.2m		58	13	- 6	26		23	6.90		2.13	15	10.5			15	7	2
MANNINGTON 1 N	36.8	3.2	64	13+	3	26+		25	5.65	2.08	1.92	15	3.4	2.0	19+	13	8	2
MIDDLEBOURNE 2 ESE	37.9		66	14	7	27		21	3.87		1.13	15	1.0			10	5	2
MORGANTOWN MUNICIPAL AP	36.4		63	5+	6	26		22	4.67		1.82	15	1.2	T	10+	10	7	1
MORGANTOWN NO 1	37.1	2.7	57	5	8	26+		20	4.39	1.29						12		
MORGANTOWN LOCK 10	39.6		64	13	8	26		21	4.76	1.34	1.44	16	1.7	1.0	19	13	8	1
NEW CUMBERLAND DAM	35.7	4.0	60	13	6	26		24	2.71	-0.05	.97	15	2.0			9	4	
NEW MARTINSVILLE	37.7	2.4	65	13	8	27		20	4.67	1.11	2.30	15	3.1	2.0	19	8	4	1
PARKERSBURG WOOD CO AP	37.6		64	13+	8	26		21	4.26		2.92	15	2.1	1.0	19+	10	3	1
PARKERSBURG WB CITY	38.3	3.1	66	13	10	27		20	3.74	0.71	2.57	15	3.2			10	3	1
PARSONS	36.6	4.3	64	13	2	26+		23	6.68	2.63	2.13	15	10.5	3.0	31	14	7	2
PICKENS NO 1	32.2m				- 4	26		25	8.72	3.34	1.80	15	11.0	5.0	31	14	8	4
ROWLESBURG NO 1	35.6		65	14	2	27		21	7.37	2.99	2.97	16	3.5	3.0	20+	12	9	1
SALEM	36.1m		64	13+	4	26+		23	6.77		2.11	15	0.5			8	6	2
TERRA ALTA NO 1	m																	
VALLEY CHAPEL	39.5m	2.0	66	13	7	27		24	5.24	2.02	2.20	15	2.7	T	10+	10	5	2
VIENNA BRISCO	38.9m		70	15	8	26+		22	3.80		2.81	15				7	3	1
WELLSBURG 3 NE	35.8	3.4	62	16	3	26		23	3.22	0.31	1.34	15	3.0	3.0	19	8	2	2
WESTON	38.3	2.5	65	14	10	26+		23	6.69	3.06	2.60	16	3.0	1.0	20	17	8	1
WHEELING-OHIO CO AP	34.7		61	16	6	26		21	2.69		1.35	15	2.7	2.0	19+	12	3	1
WHEELING WARWOOD DAM 12 L	36.9	4.3	62	16+	8	26		22	3.50	0.52	1.11	16	3.7	2.0	19	13	5	1
DIVISION	36.8									5.18								
SOUTHERN DIVISION																		
ATHENS	37.7		62	15+	- 5	26		20	5.12		1.30	3	19.0			14	8	2
BARTOW	m								5.08	1.88	1.87	15				6	5	2
BECKLEY V A HOSPITAL	38.7m	4.2	62	13+	- 5	27		16	6.75	3.44	2.21	15	11.1	11.0	24	10	7	3
BLUEFIELD NO 1	39.4	2.5	67	13	0	26		20					7.0	4.0	24+	10	5	1
BLUESTONE DAM	38.3		65	14+	1	27		23	4.85		1.22	16		6.0	25	12	5	2
CABWAYLINGO STATE FOREST	40.2		71	6	- 3	26		20	4.17		1.59	15				10	5	1
CHARLESTON KANAWHA CO AP	39.1		66	13	7	26		21	4.57		1.91	15	T	T	10+	14	5	1
CHARLESTON NO 1	41.1	1.5	68	15+	9	26		19	3.29	-0.35	1.11	16	1.4	T	10+	13	5	1
COALWOOD	40.6		67	13+	- 1	26		20	5.48		2.12	3		5.0	25	12	9	1
CRANBERRY GLADES	32.9		62	15	- 8	27		24	5.44		2.70	15				9	6	1
FLAT TOP	34.4	2.7	59	13	- 5	27		22	6.44	3.42	2.17	15	8.6	8.0	25	12	6	2
GARY	39.0	1.2	68	14	- 1	26		23	5.10	1.73	1.64	4	3.0	3.0	25	12	6	1
HAMLIN	38.1		68	14	4	26+		24	4.20		1.55	15				8	6	1
HINTON NO 1	39.0	3.2	66	14	0	27		20	5.97	2.79	1.35	16	5.2			13	8	3
HUNTINGTON NO 1	41.6	6.0	69	13	11	26		16	4.24	0.87	1.94	15	3.0	T	19+	10	5	1
LE SAGE GREENBOTTOM	41.1m		68	15				17	4.76		2.35	15				6	5	1
LEWISBURG	35.6	2.4	65	14	-10	27		22	5.84	2.73	2.76	15	2.5	2.0	24+	11	6	1
LOGAN	41.6	1.9	69	14	5	26+		19	4.51	0.41	0.74	4	5.0	5.0	25+	12	8	
LONDON LOCKS	42.2m	4.8	67	14+	10	26+		18	4.88	1.67	0.80	15	T			14	7	
MADISON	39.6	4.6	68	16	5	26		20	3.78	0.88	1.15	4	3.0	2.0	25	10	5	1
OAK HILL	38.1		62	17	4	27		19	6.14		1.49	15	5.0			13	6	2
PINEVILLE	37.5		67	14	- 3	26+		24	5.36		1.09	4	5.0	5.0	25	11	9	1
POINT PLEASANT	40.7	4.9	65	13	10	26		19	4.76	1.26	2.15	15	T			14	5	1
RAINELLE NO 1	35.3	2.1	62	13	- 5	27		24	7.14	3.61	3.10	15	8.5	1.0	10+	16	6	2
RAVENSWOOD DAM 22	39.6	1.7	67	13	6	26		20	4.32	1.00	2.15	15				12	5	1

See reference notes following Station Index.

Station	Temperature						No. of days		Precipitation							No. of days		
	Average	Departure from normal	Highest	Date	Lowest	Date	Max. 90° or above	Min. 32° or below	Total	Departure from normal	Greatest day	Date	Snow, Sleet, Hail Total	Snow, Sleet, Hail Max. depth on ground	Snow, Sleet, Hail Date	.01 or more	.25 or more	1.00 or more
RICHWOOD	39.1	4.0	65	15	3	27+		17	5.27	1.78	1.03	16	1.0	1.0	25	11	8	1
RIPLEY	38.8		67	13	5	26		22	4.83		2.79	15				10	5	1
SPENCER	38.0	1.5	66	14+	7	26+		25	4.85	1.44	1.93	15	1.0	T	10+	11	5	1
SUMMERSVILLE	35.3m		64	13+	- 2	26		24	4.69	1.31	1.50	14	3.5			9	5	1
SUTTON	39.8	4.6	66	15+	5	27		22	3.09	-0.73	0.80	3	1.0			8	4	
UNION	35.0	1.0	64	14	-12	27		25	5.84	2.56	1.17	16	6.0	6.0	25	12	7	3
WEBSTER SPRINGS	40.1		66	14	6	27		19	5.19		1.60	15	T	T	25+	11	8	2
WHITE SULPHUR SPRINGS	36.8	3.7	65	14	- 6	27		22	5.31	2.21	2.20	15				11	5	2
WILLIAMSON	41.5	3.9	71	14	6	26+		21	4.12	0.34	1.59	3	1.5	3.0	25	8	4	2
WINFIELD LOCKS	39.7		67	14+	9	26+		21	3.65	1.11	1.25	15	T	T	10+	13	4	1
DIVISION	38.7								4.97									
STATE	37.7	3.1							4.97	1.71								

DELAYED DATA

JULY 1948																		
WHEELING OHIO CO AIRPORT	73.9		94	4	49	2	4		4.46		.65	27				15	8	
AUGUST 1948																		
SHADY SPRINGS	65.8		92	28	41	7+	3		5.89		1.18	1				13	8	3
OCTOBER 1948																		
CHARLESTON KANAWHA AIRPORT	52.3		79	16	26	19+		5	2.31		1.02	31				6	2	2

ERRATA

October, 1948 - Total precipitation for Morgantown Lock 10 should be 2.32; departure, -.85.

See reference notes following Station Index.

DAILY PRECIPITATION

Table 3

Station	Day of Month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ABERDEEN			.76	.09		.45				T		.06	.12		1.74	1.58			.55	.08					T				.22	.48	.10	6.19
ALPENA				.70		.50					T		.25		1.15	2.70	.70		.47	.28									T	.85	.10	7.50
ARBOVALE			1.16			.16						T	.05		1.77	.25	.02								T				.77			4.16
ARNOLD			.74		.42					T				.14	2.35	1.50		T	.60	.05					T				.23	.40	10	6.53
ATHENS			1.30	.46	.03	.23				T		.03		.01	1.15	.03	.29	T	.41					.30	.32				.08	.50	T	5.12
BARTOW			.85	.55						.15					1.87	.55													1.11			5.08
HAYARD			.45	T		.26				.12	T	.20	.24		1.91	2.23	.02		.48	.14	T				T	T			.29	.38	.35	7.05
BECKLEY V A BOSPITAL			1.05			.99				T					2.21	.04	.26		.50	.05		T		1.10					.47	T	.08	8.75
BELINGTON			.27	.29		.41					.03		.26		.83	1.61	.32		.23	.43						.01			.03	.74	.18	5.64
BELLEVILLE DAM 20			.11	.05	T	.03				T		T	.13		2.85	.74	.10		.34	.06									.04	.35	.08	4.86
BENSON			.40	.14		.40				.03		.06	.15		2.40	.90	.04		.59	.12					.10				.25	.20	.15	5.93
BENS RUN			.12			.08				T		T	.19		2.70	.17			.31	.02									.47	.09	.02	4.17
BERKELEY SPRINGS			.23			.35						T	.10		1.40	.75			T	.61					T				.35	1.20	T	4.99
BERLIN			.37	.09		.71							.25		1.02	1.97	.45		.51	.12		.23	.47								.10	8.29
BIG SKIN CREEK		.20	.62		.39							.13			2.25	1.15			.60										.24	.39	.11	6.08
BLUEFIELD NO 1	T	T	1.30	.45		.29					T	.20	.03	T	.61	.02	.04		.38					-	-				.17			-
BLUEFIELD NO 2			.46	1.38	.04	.29	T				.03		.06		.24	.29	.09		.23	.10		.03		.07	.50	.05				.65	.08	4.59
BLUESTONE DAM 3 S			.49	.88	T	.24									1.15	1.22	.01		.07	.09		T		.18	.05	T				.45	.02	4.85
BRANCHLAND			.37	.35		.12				T	.01		.03		1.20	.55	.22		.60	.06	.01			T	.06					.33	.03	3.94
BRANDONVILLE			.14							.10	.10	T	.45		1.04	2.18	T		•	.97						.10		.08		.59	.10	5.85
BRANDYWINE			.74	.40						T					.88	.10			.37						T					.58		3.05
BROWNSVILLE			.65			.41							.10		2.21	1.19			.52	.06									.19	.24	.05	5.82
BRUSHY FORK			.64			.40	.03			.01		.10	.04		2.20	.88	.02		.40	.12					T				.19	.20	.29	5.41
BRUSHY RUN			.32	.62		.03							T		.88	.97	.04		.28										.04	.40	T	3.58
BUCKHANNON	T		.72	.07	T	.41				T		.09	.14		2.25	1.14			.56	.02					T				.24	.47	.09	6.20
CABWAYLINGO STATE FRST			.55			.20									1.59	.16	.07		.40	.07				.70					.27	.16		4.17
CAIRO 3 S			.43			.14						.02	.11		2.70	.52			.33	.06									.39	.15	.02	4.87
CAMDEN ON GAULEY			.32	.65		.35					.02		.04		1.41	1.28	.39		.38	.54	.02				.09	.04				.74	.11	6.38
CANAAN VALLEY			.66	.29		.36				-		.04	.34		2.11	1.62			-	-					-				.30	.39	-	-
CHARLESTON KANAWHA APT		.10	.40	T	.11	.11				.02		.01	T	.19	1.91	.29		.11	.70	T				T	.01			T	.45	.16	T	4.57
CHARLESTON NO 1			.34	.17	.01	.08				T	.01		T		1.11	.32	.21		.70	.04	T			T	T	T			.02	.25	.03	3.29
CHARLESTON NO 3	r	.10	.48		.03	.06								.20	1.35	.29		.10	.64										.29	.07		3.61
CLARKSBURG NO 1	z		.29	.19		.24					T		.16		1.28	1.28	.43		.33	.16	T								.03	.31	.02	4.72
CLARKSBURG NO 2			.46	.03	T	.30					T	.02	.13		2.16	.84			.55	.02					T				.24	.18	.05	4.98
CLAY			.48	.54		.20					.03				2.05	1.23	.45		1.18	.05	T				T	T				1.08	T	7.29
CLAY NO 2	r	.12	.87			.17								.14	1.67	.48		.05	.80		.04								.40	.15		4.89
COALWOOD			2.12	.40		.25				T		.02			.62	.25	.15		.47					.27	.27				.21	.45	T	5.48
COBURN CREEK						.40	.30	.15		.35	.02				2.05	1.40	.06		.60	T					.15	.05			.25	.15	.08	6.01
CRANBERRY GLADES			.46	.64		.28				T	T		T		2.70	.35	T		.54	.15	T				T	T			.19	T	.13	5.44
CRAWFORD			.75	.08		.40				T	.08	.16		T	2.21	1.20			.58	.04					T				.22	.50	.06	6.28
CRESTON			.25	.71		.18				T	T		.09	T	2.30	1.22	.66		.28		.10				T	T				.45	T	6.24
DAILEY			.28	.52	.02						.01		.15	T	.82	1.82	.33		.42	.29	T					.01			.06	.69	.05	5.47
DAVIS	r	.02	.60			.33						.17	.33		2.17	1.40			.55	.09									.39	.37	.19	6.61
DAVISSON RUN			.50	.50		.29				T		.03	.28		2.33	.75			.61	.01									.05			5.35
DUCK CREEK			.35	.18		.35					.05		.02		1.50	1.37	.40		.47	.21									.09	.35	.07	5.41
EAST RAINELLE			.40	1.02	.26						.01				1.45	1.52	.21		.41	.13	.02	.01		.01	.09	.02				.64	.02	6.22
ELK			.86			.56				*	*				2.08	.83			*	*									•	1.20		5.53
ELKINS WB AIRPORT	z	.04	.61	.03	.02	.32		T		.01		.10	.14	T	1.92	.93		T	.63	.02					T	T		T	.52	.29	.13	5.71
FAIRMONT		.01	.43			.29				T	T	.30			2.10				.43						T				.45	T	.14	4.15
FINK 8UN			.78	.12		.33				T		.06	.10		2.22	1.48			.54						T				.05	•	.67	6.35
FLAT TOP	z		1.61	.23		.39				T		T			2.17	.13	.08		.79	T				.37	.18				.16	.31	.02	6.44
FRANKLIN	r	.04	.87	.02											1.08	.07			.50										.21	.38		3.17
FREEMANSBURG	r	.04	.41									.05	.24	.20	2.21	.51		.17	.33										.40			4.56
GARY	z		.74	1.64		.23							T		.62	.19	.15		.30	.08				.08	.10	.29				.68		5.10
GLENVILLE NO 1			.34	.23		.25					T		.05	T	1.94	1.38	.58		.33	.18	.01					.01			T	.35	.01	5.66
GRAFTON			.62	.07		.53				T		.13	.21		2.04	1.00			.59	.03									.23	.44	.17	6.06
GRANTSVILLE		.31		.11	.01	.18				.03			.09	.02	1.95	1.66			.46	.06									.45			5.33
HACKERS CREEK			.49			.29				.09		.07	.10		2.24	.74			.46	.08						.05	.02		.20	.21		5.04
HALL	z		.38	.35		.43					.03		.29		1.01	1.77	.71		.31	.20	.03					T			.05	.73	.19	6.48
HAMLIN			.52	.22		.20									1.55	.37	.25		.62											.47		4.20
HARPERS FERRY			.20	.32		.06							.20		.25	1.25	.70		.26	.24									.32	.49	.27	4.56
HARRISON			.28	.17		.22				T			.25		.70	2.02	.43			.60	T								.08	.48	.02	5.25
HASTINGS			.05	.25		.24				.01		.04	.27		1.83	1.15			.33	.07						.03			.56	.35	.05	5.23
HINTON NO 1			.52	1.00		.28					T				1.10	1.35	.04		.44	.10				.21	.36	.02				.51	.04	5.97
HOGSETT GALLIPOLIS DAM			.30	.17		.10				T	T		T		2.30	.58	.30		.30	.03	T								.01	.32	.01	4.42
HORNER						.40				T		T	.12	T	2.02	1.11			.38	T					T				.32	T		4.35
HOULT LOCK 15			.33	.09		.36				T	.01		.26		.79	1.80	.35		.17	.27	T					T			.10	.50	.05	5.08
HUNDRED	r				.10									.02	2.30	.26			.26										.90			3.84
HUNTINGTON NO 1			.90	.02		.04				.01		T	T	T	1.94	.52			.46	.01				.09	T				.25	T	T	4.24
HUNTINGTON NO 2	r	.18	.64	.05										.43	1.59	.51		.14	.29		.03			.10					.21			4.17
JAEGER			.80	1.23		.28									.64	.37	.15		.27	.14				.10	.42	.01				.67		5.08
IRELAND			.41	.04										1.05	1.25	1.38	.11	.09	.07						.11				.09	.81	T	5.41
ISAACS CREEK		.02	.50			.38				.02					1.50	.80			.60	.06									•	•	.50	4.38
JANE LEW			.49	.03		.32				T		.06	.22		1.91	.94	T		.50	.06									.20	.27	.05	5.05
JESSE RUN			.70	.03	.40							.14			1.97	.87			.58	.04									.24		.03	5.00
KAYFORD				.10	1.20					.01					1.30	.25									.10					1.40	.06	4.42
KEARNEYSVILLE 1 NW			.27	.26		.16						T	.10		1.16	.94			.60										.32	1.36		5.17
KERMIT			.38	1.34		.14				T	T				.23	1.56	.24			.33				.31	.12				.08	.04		4.75
KNOBLY MOUNTAIN			.32	.45		.14						T	T		.65	1.55	.25		.30	.25						T				.48		4.39
KUMBRABROW STATE FRST		.01	.81	.34		.61				.04		.06	.11	.01	2.13	1.27			.27	.90					.06	.04			.19		.05	6.90
LAKE FLOYD			.52			.30				T		.09	.22		2.40	.85			.59	.11					T				.27	.21	.06	5.62
LAKE LYNN	z		.20	.11		.31					T		.43		.34	1.00	.34		T	.55	T					.01			.01	.73	.10	4.13
LAKIN	r	.02	.12										.08	1.04	2.44	.41		.02	.23										.45			4.81
LE SAGE GREENBOTTOM			.87		.19										2.35	.84				.41										.30			4.76
LEWISBURG			.98	.31		.27				T		.02			2.76	.04	.10		.55			T			.12	T			.05	.64	T	5.84
LINDSIDE			.38	1.35		.10									.47	.53	.12		.15						.17	.37				.80		4.42
LIVERPOOL	r	.18	.18		.07	.07								.41	2.09	.74			.27										.37			4.38
LITTLE SKIN CREEK			.77	.04		.40				T		.02	.12		2.45	1.17			.60	.05					T				.22	.42	.05	6.31
LOOKOUT	r	.16	26		.08	.18							.15	.26	2.24	.72			.45										.31	.03	.03	4.85
LOGAN	z		.60	.74		.09				T	T		T		.73	.64	.34		.25	.07	T	T		.22	.25				T	.53	.05	4.51
LONDON LOCKS			52	.65	.04	.22					T				.80	.72	.18		.64	.34	.05				.06	.01				.58	.07	4.88
MACFARLAN	r	.28	22		.07	.03						.20	.04	.36	2.66	.42			.40							.02			.59			5.27
MADISON				1.15						T					.90	.35	.19		.46	T				.09	.05	.12				.41	.06	3.78
MAR			1 40	.28											.68	.37							-	-						.38		-
MANNINGTON 1 N			.28			.27				.02		.04	.28		1.92	1.46			.40	.02					T		.06		.50	.32	.10	5.65
MANNINGTON NO 2			28	.03		.22				T		T	.30		.96	1.77	.53		.26	.05	.05					T			.15	.57	.08	5.23
MARLINTON	r		I 30			.25								.04	2.48	.08			.51						.11				.63	.29		5.67
MARTINSBURG MUNIC APT	z	01	46	T		.13						T	.04		1.35	.88			.63	T									.59	.93	T	5.02
MATHIAS	r	.05	78										.05		.92	.50			.33										.27	.58		3.48
MOUNTAIN DAM 13				T		.10		T		T	.01	T	.30		.92	.92	.08		.13	.03	.01					T			.05	.74	.04	3.33
MOUNDSVILLE 2 NE			51	12		.11							T		.98	.57	.10		.37	•									.66	.72		4.12
MOUNDSVILLE 2 ESE			20	T		.12					T	T	.25		1.13	1.03	.28		.22	.06									.20	.38	T	3.87
MT HOPE			25	35		.50					.03		.21	.02	.80	1.70	.80		.40	.40	.02					.02			.05	.88		6.43
MOUNT STORM	r		25	43									T		.80	.85	.15		.25	.10									.10	.55	.07	3.35
MUNICIPAL APT			26		T	.42				.05		.38			1.82	.48			.68	T	T				T				.47	.05	.10	4.67
NEW MARTINSVILLE NO 1			28	T		•				•		•	•		•	2.80		•	.50	.15									.32	.34		4.39
NEW MARTINSVILLE LOCK 10			26	05		.44					T		.30		.59	1.44	.48		.13	.34	.01				T				.08	.58	.08	4.76
NEWPORT MARK			53							.02		.08			2.15	.88				.06			T		T				.24	.25	.15	4.38
NEW CUMBERLAND DAM 9		05				04				T		28			.97	.54			.17										.64	.02	.01	2.71
NEW MARTINSVILLE			7			18						T	.24		2.30	.87			.36										.62	.07	.03	4.67

See reference notes following Station Index

DAILY PRECIPITATION

Table 3—Continued

Station	Day of Month																													Total
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
OAK HILL z			1.24	.19		.21					.03				1.49	.95	.28		.39	.18				.20	.08					.77	.13	6.14
OMPS			.12	.15									.30		.35	1.30	.27												.05	1.60	.10	4.24
PARKERSBURG WOOD CO AP		T	.10		.04	T				T		.20	.01	.09	2.92	.18		T	.28	.02					T	T			.42	T	T	4.26
PARKERSBURG WB CITY z		T	.07		.02	.01				T		.10	.01	.14	2.57	.15		T	.26	T					T				.41	T	T	3.74
PARSONS			.46	.08		.42				.02	T	.10	.15		2.13	1.34	T		.80	.09	T				T	.01			.35	.55	.18	6.68
PETERSBURG WB CITY		.05	.84	.02	T	.05				T		T	T		1.44	.52		T	.40	T					T				.13	.32	T	3.77
PHILIPPI			.40	.38		.50					.02		.31		.80	1.20	.61		.28	.39	T					T			T	.75	.16	5.80
PICKENS NO 1			1.02	.09	T	.53				.05		.05	.11	T	1.80	1.68			1.70	.24					.10				.49	.56	.30	8.72
PICKENS NO 2			.45	.58	.06	.53	T				.05		.11	T	.78	1.79	.91		.70	1.23	.10				T	.10				.10	.95	.10	8.54
PIEDMONT 1 SE			.30	.15		.16				T		.02	.22		.89	1.80	.14		.72											.19	.38	T	4.97
PINEVILLE			.64	1.09		.27							T		.69	.60	.30		.35	.09				.15	.37					.81		5.36
POINT PLEASANT			.23	.09		.02				.02		T	.03	.04	2.15	.63	.64		.37	.09	.05				T				.02	.38	T	4.76
POLK CREEK			.53			.44				.02		.01	.18		2.40	1.11			.50										.30	.12	.03	5.64
PRINCETON 1 SW			.41	1.16		.18							.01		.68	.60	.24		.25	.11				.06	.34					.40	.02	4.46
RAINELLE NO 1			1.12	.37	.02	.28				.05		T			3.10	.20	.13		.55	.12				.11	.12	.02			.21	.60	.14	7.14
RAVENSWOOD DAM 22			.17	.03		.10							.12		2.15	.67	.38		.31	.05	.01								.02	.31		4.32
RENICK			.49	.94	T	.33						.30	.07		1.79	1.12	.06		.50	.11		.05			.05				T	.76	.05	6.25
RICHWOOD			.37	.36	.31	.22									.84	1.03	.48		.62	.21					.13					.70		5.27
RIGHT FORK OF STONECOAL			.58	.30		.42				T		.07	.03	T	2.00	1.20			.61	.07					T				.29	.46	.09	6.12
RIPLEY			.44							.18					2.79	.62	.01		.39	.04									.26	.09	.01	4.83
ROANOKE			.60	.05		.30				.01		.02	.07	.01	2.20	1.21	T		.52	.05									.19	.36	.01	5.60
ROCKFORD			.60	.03		.36						.30	.07		2.05	.81			.50	.06									.27	.29	T	5.34
ROHRBOUGH			.67	T		.38				T		T	.09	T	2.02	1.15			.59	.07					T				.21	.25	.07	5.50
ROMNEY			.53	.06	.02	.15							.03		.78	.83	.02		.40	.01									.24	.76		3.83
ROWLESBURG NO 1			.29	.20	T	.53	T				.10		.49		.68	2.97	.74		.30	.33						T			T	.65	.09	7.37
ST MARYS			.13	T		.03				T	T		.10		1.84	1.01	.11		*	.32					T				.30	.13	T	3.97
SALEM			.78							T		.54			2.11	1.70			.45	.06									.94	T	.19	6.77
SAND FORK			.77	.06		.41				.01		.10		.09	2.15	1.02			.54	.06					T				.25	.50	.08	6.04
SHINNSTON			.53	T		.32				T		.33	T		2.02	.89				T					T				.17	.29	.10	4.65
SMITHBURG		.03	.06		.02	.03							.02	.03	1.77	.38		.01	.46	.04									.73			3.58
SPENCER			.23	.11	T					T		.12		T	1.93	.76	.59		.43	.03	.10								.03	.52	T	4.85
SPRINGFIELD r		.10	.42			.15									1.13	.81			.47							.08			.42	.48		4.06
SPRUCE KNOB			.41	.07		.27					T		T		.76	1.33	.47		.28						.03				.17	1.01	.03	4.83
STONY RIVER DAM			.37	.61		.20	.14						.40		.72	1.96	.24												.10	.40		5.14
SUGARCAMP RUN			.50	.29		.46						.04	.24	.03	1.49	1.23	.38		.60	.10					T				.36	.60	.09	6.41
SUMMERSVILLE z		.03	.70		.34				T	T				1.50	1.10	.54				T				.10	T	T	T	T	.28	.10		4.69
SUTTON			.80	.17		.38				T			.07						.72	.10					T				.24	.51	.10	3.09
SYCAMORE CREEK	T		.10		.28				.34			.23	.02		2.24				.58					.05				.18	.22			4.24
TERRA ALTA NO 2 r		.06	.29		.02	.57						.51	.09		2.87	.90			.40		.11								.44	.13	.09	6.48
THOMAS			.40	.30		.36					.15		.73	.02	.57	2.60	1.00		.15	.59						.04			.07	.68	.13	7.79
TRIBBLE r		.15	.27		.04	.10								.60	1.80	.76			.41											.33		4.46
TYGART DAM r		.08	.55		.02	.48						.11	.08	.01	2.09	.90			.52										.53	.07	.11	5.55
UNION z			.42	1.07		.21					T		T		1.14	1.17	.12		.40			.07		.16	.30					.73	.05	5.84
UPPER DAVISSON RUN			.50	.05		.32				.01		.03	.20		2.23	.80			.63	.04					T				.20	.19	.03	5.23
UPPER SYCAMORE CREEK			.39	.18					-	-						1.46	1.61		*	*				*				*	*	1.47		-
VALLEY CHAPEL			.43	.04		.39				T		.07			2.20	1.11			.52	.24					T				.20		.04	5.24
VALLEY HEAD z			.21	1.10		.25	T				.04		.05		.50	1.51	.32		.40	.34	T				.03	T			T	.62	.13	5.50
VIENNA 8RISCOE 2 N			.10							T	.02				2.81	.26				.21									.34	.06	T	3.80
WARDENSVILLE R M FARM			.28	.28		.08							.01		.41	.95	.08		.23										.06	1.08	.17	3.63
WASHINGTON DAM 19			.06	.06	T	.02				T			.13	T	2.05	.62	.10		.32	.02	T								.02	.36		3.76
WAYNE			.49	.52		.11					T	.06			1.46	.77			.60					.20						.21		4.42
WEBSTER SPRINGS z			.87	.26	T	.33				T		.03		T	1.60	.65	.10		.75	.05					T				.23	.32		5.19
WELLSBURG 3 NE			.10			.05						.11	.08		1.34	.24			.20										1.10	T	T	3.22
WEST MILFORD			.45	.08		.35						.12			2.00	.80			.56	.05	T								.25	.22		4.88
WESTON			.36	.28		.39	.06				.02		.24	.02	.82	2.60	.69		.12	.48	.02					.02			.08	.43	.06	6.69
WHEELING OHIO CO APT			.02		.03	.01		T		.01		.28		T	1.35	.13		T	.09	.03	T				T			T	.63	.02	.09	2.69
WHEELING WARWOOD DAM 12			T	.03		.03		T		T			.30		.77	1.11	.26		.14	.03	.02				.01				.10	.66	.04	3.50
WHITE SULPHUR SPRINGS			1.15	.31		.18				T			T	T	2.20	.09	.14		.42	T		T		.11	.10				.06	.55	T	5.31
WILLIAMSON			1.59			.18				T					1.00	.21		.17	.09						.40				.48		T	4.12
WINFIELD LOCKS			.20	.15	.03	.10				T	.03		.02		1.25	.51	.67		.35	.07					T					.24	03	3.65
YAWKEY r		.14	.60		.05	.06								.17	1.45	.06		.13	.40										*	.54		3.60

DELAYED DATA

JULY 1948																														
WHEELING OHIO CO AIRPORT		T	.59	.13	.03	.32						T	.30	T		.54		.02	T	.05	.45	.50	.03		.02	.65	.02		.81		4.46
AUGUST 1948																														
SHADY SPRINGS	1.18	.67	.05	.52	1.08	.05						1.15		.01		.04	.05		.29			.40								.40	5.89
SEPTEMBER 1948																														
CHARLESTON 3						.01	.11		.50	.52								.06	.24	.78	.02								.01		2.25
OCTOBER 1948																														
CHARLESTON KANAWHA APT	T		T	T	.18		.02	T			.05	T	T				1.00	T					.04	T						1.02	2.31
CHARLESTON 3					.09												.90													.83	1.82
SUTTON 1 E				•	•		•	•			.61						.67	.11											-	-	-
NOVEMBER 1948																														
YAWKEY			.20			.81				.31			.12						.42			.26			.36	.09	1.30	.35			4.22

ERRATA

October, 1948 - Amouot on 17th for Morgantown Lock 10 should be .01; total, 2.32.

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—1st—																									
HALL	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
LOCKNEY																							.02	.14	.16
—2d—																									
CHARLESTON KANAWHA AIRPORT 6																					*	*	*	*	
CHARLESTON 3																							.03	.07	.10
CLARKSBURG 1																								.02	.02
CLAY 2																							.04	.08	.12
DAVIS																							.01	.01	.02
ELKINS WB AIRPORT																							.01	.03	.04
FRANKLIN																							.03	.01	.04
FREEMANSBURG																								.04	.04
GARY //																								.06	.06
HUNTINGTON 2 //																						.01	.04	13	.18
LAKIN																								.02	.02
LIVERPOOL																							.03	.15	.18
LOCKNEY	.02	.03	.01	.02	.02								.01	.02	.01	.05	.03	.03	.01						.26
LOGAN																						.08	.03	.02	.13
MACFARLAN																							.12	.14	.26
MARTINSBURG MUNICIPAL AIRPORT											.03	.01													.04
MATHIAS																							.01	.04	.05
MOOREFIELD																								.02	.02
PARKERSBURG WOOD CO AIRPORT 6																					*	*	*	*	
PETERSBURG WB CITY 6																					*	*	*	*	
SMITHBURG														.01		.01	.01								.03
SPRINGFIELD																						.01	.04	.05	.10
SUMMERSVILLE //											-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
TERRA ALTA 2																					.01	.01	.03	.01	.06
TRIBBLE																							.01	.14	.15
TYGART DAM										.01	.01	.01										.02	.01	.02	.08
VALLEY HEAD																								.01	.01
YAWKEY																							.05	.09	.14
—3d—																									
CHARLESTON KANAWHA AIRPORT 6	*	.12	*	*	*	*	*	.17	*	*	*	*	*	.08	*	*	*	*	*	.11	*	*	*	*	
CHARLESTON 3	.02		.10	.08	.01	.01		.03	.03	.01	.01		.01	.01	.03	.04	.06	.03							.48
CLARKSBURG 1	.08	.07	.05		.02	.02	.01						.04	.01				.04	.02	.02					.38
CLAY 2	.11	.02	.08	.03	.04	.03	.01	.04	.01		.01	.03	.13	.10	.06	.01	.06	.05	.02	.01	.01	.01			.87
DAVIS	.07	03	.05	.04	.01	.03	.04	.01		.01		.01			.06	.06	.04	.02	.01	.01	.04	.05	.01		.60
ELKINS WB AIRPORT	.03	.04	.06		.01	.01	.02		.02		.01	.04	.06	.02	.05	.06	.06	.04	.01	.02	.02	.01	.01	.01	.61
FLAT TOP //	.08	.05	.02	.02	.13	.22	.03	.02	.06	.12	.14	.11	.12	.10	.10	.08	.10	.10	.07	.08	.03	.04			1.82
FRANKLIN	.01	.03	.02	.01	.07	.02	.03	.08	.01			.08	.08	.03	.08	.11	.10	.07	.02	.01				.01	.87
FREEMANSBURG	.08	.07	.03	.01	.01	.01	.01	.01	.01	.01	.01	.01	.08	.01		.01	.01	.01	.01	.01					.41
GARY //	.03	.02	.07	.10	.19	.11	.05	.05	.04	.14	.13	.19	.35	.12	.09	.06	.06	.14	.09	.06	.03	.01			2.13
HUNTINGTON 2 //	.01	.03	.09	.07	.04	.01		.05	.04	.07	.08	.01	.05												.64
LAKE LYNN	*	*	*	*	.17	.05	.05	.01								.06	.02	.01							.37
LAKIN	.03		.01	.03	.01					.01	.02	.01													.12
LIVERPOOL	.11	.01	.01						.03	.01	.01														.18
LOGAN	.04	.11	.04	.14	.03	.03	.04	.02	.01	.03	.08	.07	.13	.12	.04	.08	.05	.05	.01		.02			.02	1.16
MACFARLAN	.08	.02		.03	.02				.05	.01	.01														.22
MARLINTON		.04	.01		.05	.07	.17	.08	.02	.03	.07	.02	.08	.06	.07	.08	.13	.11	.06	04	.05	.03	.02	.01	1.30
MARTINSBURG MUNICIPAL AIRPORT	.03	.03	.06	.02												.01	.04	.15	.02	.02	.01				.39
MATHIAS	.01		.05	.04	.06	.03	.01	.01	.04	.03	.01		.01	.02	.06	.04	.06	.12	.07	.04	.03	.02	.02		.78
MOOREFIELD	.05	.04	.01	.03	.04	.03	.03	.03	.01	.01		.01	.01	.06	.03	.04	.06	.04	.05						.58
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.21	*	*	*	*	*	.03	*	*	*	*	*	.02					
NAOMA //		.01	.01	.03	.12	.18	.10	.01	.07	.06	.01	.08	.03	.06	.05	.09	.07	.07	.04	.02		.01	.01		1.13
OAK HILL					.10	.10	.14	.05	.06	.02	.09	.07	.07	.05	.16	.05	.09	.04	.07	.05	.02				1.23
PARKERSBURG WOOD CO AIRPORT 6	*	.07	*	*	*	*	*	.01	*	*	*	*	*	.02											
PARKERSBURG WB CITY	.06	.01																							.07
PETERSBURG WB CITY 6	*	.08	*	*	*	*	*	.24	*	*	*	*	*	.13	*	*	*	*	*	.38	*	*	*	*	
SMITHBURG	.02	.02	.01	.01																					.06
SPRINGFIELD	.01	.07	.01	.01		.01							.08	.01	.09	.10	.03								.42
TERRA ALTA 2	.08	.01	.02	.02	.02	.03	.01										.04	.02	.02	.01	.01				.29
TRIBBLE	.11	.01	.01	.03	.01			.02	.02	.03	.01	.01	.01												.27
TYGART DAM	.10	.01	.02	.07	.04	.01			.01	.02	.04	.01	.09	.01			.01	.01		.01					.55
UNION	.03	.02	.01	.02	.11	.11	.11	.01	.01	.05	.04	.08	.07	.08	.16	.18	.14	.10	.05	.06	.03	.01	.04	.01	1.53
VALLEY HEAD	.01	.06	.02	.01	.02	.02	.08	.02	.02	.03	.01	.08	.12	.06	.08	.06	.04	.21	.16	.07	.02	.01			1.21
WEBSTER SPRINGS	.01	.06	.01	.02	.04	.07	.07	.05	.01	.04	.08	.01	.02	.05	14	.04	.08	.07	.06	03	.02		.01		.99
WHEELING OHIO CO AIRPORT 6									*	*	*	*	*	.02											
YAWKEY	.02	.01	.11	.06	.01			.05	.10	.03	.01	.01	.04	.04	.02	.04	.02	.01	.01	.01					.60
—4th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.02																							
ELKINS WB AIRPORT		.01		.01				.01																	.03
FLAT TOP //			.02	.01	.01	.01	.01																		.06
FRANKLIN	.01	.01																							.02
GARY //	.01	.01																							.02
HUNTINGTON 2 //	.03	.02																							.05
LOGAN	.01																								.01
MOOREFIELD	.02	.01	.01																						.04
NAOMA //	.01	.01																							.02
OAK HILL	.01	.01		.01	.02		.01																		.06
PETERSBURG WB CITY 6	*	.07	*	*	*	*	*	.01																	
UNION		.01	.01																						.02
WEBSTER SPRINGS	.01		.02	.01																					.04
—5th—																									
CHARLESTON KANAWHA AIRPORT 6																					*	*	*	*	
CHARLESTON 3																								.03	.03
ELKINS WB AIRPORT																								.02	.02
FLAT TOP //																						.03	.03	.01	.07
[illegible]		03	.05	.01							.01														.10
LAKE LYNN																								.01	.01
LIVERPOOL																						.01	.03	.03	.07
LOCKNEY																						.01	.02	.05	.08
LOGAN																								.01	.01
MACFARLAN																							.02	.05	.07
MORGANTOWN MUNICIPAL AIRPORT 6																					*	*	*	*	
PARKERSBURG WOOD CO AIRPORT 6																					*	*	*	*	
PARKERSBURG WB CITY																						.01	.01		.02
SMITHBURG																					.01			.01	.02
TERRA ALTA 2																								.02	.02
TRIBBLE																						.01		.03	.04
TYGART DAM																							.01	.01	.02
UNION																							.01	.04	.05
VALLEY HEAD																				*	*	*	*	*	*
WHEELING OHIO CO AIRPORT 6																					*	*	*	*	
YAWKEY															.01		.01						.02	.01	.05

See reference notes following Station Index

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
—6th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.14						.08																	
CHARLESTON 3	.01		.04	.01																					.06
CLARKSBURG 1		.07	.05	.07	.06	.01																			.26
CLAY 2	.01	.02	.06	.06	.02																				.17
DAVIS		.01	.09	.09	.01	.06	.06	.01																	.33
ELKINS WB AIRPORT	.04	.01	.04	.04	.07	.08	.04																		.32
FLAT TOP //	.01	.06	.05	.13	.05	.08	.01																		.39
GARY //				.01	.01					.05	.07	.03	.01												.18
HALL	-	-	-	-	-	-	-	-																	-
LAKE LYNN	.09	.05	.05	.02	.08	.01																			.30
LIVERPOOL	.02	.04	.01																						.07
LOCKNEY	.05	.02	.05	.04																					.16
LOGAN	.01	.01	.03	.01																					.06
MACFARLAN		.03																							.03
MARLINTON		.03	.07	.05	.05	.05																			.25
MARTINSBURG MUNICIPAL AIRPORT		.03	.01	.03	.05	.07																			.19
MORGANTOWN MUNICIPAL AIRPORT 6	*	.16	*	*	*	*	*	.26																	
NAOMA //	.07	.10	.05	.04	.01																				.27
OAK HILL						.05	.07	.05	.04																.21
PARKERSBURG WOOD CO AIRPORT 6	*	.04																							
PARKERSBURG WB CITY	.01																								.01
PETERSBURG WB CITY 6			*	*	*	*	*	.05																	
SMITHBURG	.01	.01	.01																						.03
SPRINGFIELD			.01	.01	.08	.02	.01	.02																	.15
TERRA ALTA 2	.06	.12	.04	.06	.18	.10	.01																		.57
TRIBBLE	.04	.06																							.10
TYGART DAM	.11	.09	.03	16	.04	.05																			.48
UNION	.03	.01	.01	.01	.07	.08																			.21
VALLEY HEAD	*	*	*	*	*	*	*	*	*	*	*	*	*	.20											.20
WEBSTER SPRINGS	.01	.10	.05	.02	.09	.06																			.33
WHEELING OHIO CO AIRPORT 6	*	.03	*	*	*	*	*	.01																	
YAWKEY		.05	.01																						.06
—10th—																									
CHARLESTON KANAWHA AIRPORT 6									*	*	*	*	*	.02											
ELKINS WB AIRPORT												.01													.01
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.05											
WHEELING OHIO CO AIRPORT 6									*	*	*	*	*	.01											
—11th—																									
OAK HILL										.01		.01	.01												.03
—12th—																									
CHARLESTON KANAWHA AIRPORT 6									*	*	*	*	*	.01											
DAVIS										.04	.02	.04	.05	.02											.17
ELKINS WB AIRPORT													.02	.01			.02	.04				.01			.10
FREEMANSBURG															.01		.01							.03	.05
HALL							*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.30		.30
MACFARLAN																							.11	.09	.20
MORGANTOWN MUNICIPAL AIRPORT 6									*	*	*	*	*	.01	*	*	*	*	*	.12	*	*	*	*	
PARKERSBURG WOOD CO AIRPORT 6																					*	*	*	*	
PARKERSBURG WB CITY																							.01	.09	.10
TERRA ALTA 2											.08	.02	.01	.02	.01	.05						.01	.01	.03	.51
TYGART DAM												.01	.01					.09							.11
WHEELING OHIO CO AIRPORT 6									*	*	*	*	*	.03	*	*	*	*	*	.03					
—13th—																									
CLARKSBURG 1	.05	.05																							.10
DAVIS	.12	.18	.03																						.33
ELKINS WB AIRPORT			.14																						.14
FREEMANSBURG	.20	.01	.01		.01	.01																			.24
LAKIN	.08																								.08
LOCKNEY		.14	.01																						.15
MACFARLAN				.02	.02																				.04
MARTINSBURG MUNICIPAL AIRPORT	.01	.01	.01	.01	.01																				.05
MATHIAS		.02	.01	.01	.01																				.05
MORGANTOWN MUNICIPAL AIRPORT 6	*	.23																							
PARKERSBURG WOOD CO AIRPORT 6	*	.21																							
PARKERSBURG WB CITY	.01																								.01
SMITHBURG																								.02	.02
SUMMERSVILLE //	-	-	-	-	-	-	-	-	-	-															-
TERRA ALTA 2	.09																								.09
TYGART DAM	.03	.05																							.08
UNION																		.01	.01						.02
—14th—																									
CHARLESTON 3																						.05	05	.10	.20
CLARKSBURG 1																								.01	.01
CLAY 2																						.01	.04	.09	.14
FREEMANSBURG																							02	.18	.20
HALL																								.03	.03
HUNDRED																								.02	.02
HUNTINGTON 2 //																				.11	.08	.06	.08	.10	.43
LAKIN																					.07	.18	27	.52	1.04
LIVERPOOL																						12	.07	.22	.41
LOCKNEY																						03	.11	12	.26
LOGAN																							01	02	.03
MACFARLAN																							.17	.19	.36
MARLINTON																							.01	.03	.04
PARKERSBURG WOOD CO AIRPORT 6																					*	*	*	*	
PARKERSBURG WB CITY																					.01	.02	.05	.06	.14
SMITHBURG	.01	.01																						.01	.03
SUMMERSVILLE //																							.02	.02	.04
TRIBBLE																					.04	.12	.32	.12	.60
TYGART DAM																								.01	.01
UNION																								.01	.01
VALLEY HEAD																								.03	.03
WEBSTER SPRINGS																								.02	.02
WHEELING OHIO CO AIRPORT 6																					*	*	*	*	
YAWKEY																						.02	.02	.13	.17
—15th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.30	*	*	*	*	*	.70	*	*	*	*	*	.53	*	*	*	*	*	.57					
CHARLESTON 3	.16	.26	.14	.18	.04	.02	.05	.03	.16	.06	.05	.12	.07	.01											1.35
CLARKSBURG 1	.07	.18	.09	.13	.27	.14	.20	.17	.08	.08	.04	.15	.09	.14	.11	.06	.10	.05	.04	.02	.02	.01			2.24
CLAY 2	.08	.09	.23	.20	.12	.04	.05	.13	.07	.19	.10	.08	.13	.09	.01			.02	.01		.01	.01		.01	1.67
DAVIS	.02	.05	.05	.10	.16	.18	.11	.11	.10	.18	.01	.01	.13	.17	.12	.10	.17	.06	.04	.02	.08	.01	.02	.08	2.17

See reference notes following Station Index.

Table 4–Continued

HOURLY PRECIPITATION

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
ELKINS WB AIRPORT	.05	.05	.05	.10	.20	.13	.11	.14	.10	.08	.10	.11	.07	.16	.06	.07	.04	.07	.13	.01	.01	.03	.03	.02	1.92
FLAT TOP //	.04	.14	.22	.16	.20	.23	.12	.13	.26	.03	.08	.39	.20	.06	.02	.01	.01								2.30
FRANKLIN	.05	.05	.10	.05	.18	.12	.10	.09	.02	.09	.01	.05	.04					.01		.04	.01	.04	.01	.02	1.08
FREEMANSBURG	.47	.10	.11	.22	.20	.12	.08	.18	.09	.03	.08	.09	.14			.01	.03			.07	.08	.03	.06	.02	2.21
GARY //	.02	.07	.10	.06	.06	.10	.04	.15	.04		.01	.03	.03	.01	.01	.01	.01								.75
HALL	.04	.08	.10	.12	.20	.20	.12	.07	.09	.03	.10	.17	.07	.11	.12	.03	.08	.13	.02	.02	.01	.01	.05	.08	2.05
HUNDRED	.06	.10	.19	.02	.24	.10	.06	.04	.05	.05	.04	.13	.17	.11	.02	.19	.48	.01		.15	.05	.02	.01	.01	2.30
HUNTINGTON 2 //	.20	.27	.19	.16	.05	.08	.05	.20	.16	.01	.15	.05	.01											.01	1.59
LAKE LYNN		.01	.18	.02	.04	.14	.03	.02	.08	.03	.10	.05	.12	.08	.03	.07	.41				.07	.02			1.50
LAKIN	.31	.29	.36	.09	.19	.37	.16	.09	.02	.10	.02	.21	.13	.01	.01	.02				.01	.01		.03	.01	2.44
LIVERPOOL	.29	.18	.30	.12	.33	.14	.08	.07	.04	.15	.09	.09	.11	.04		.01		.01	.01	.01	.01			.01	2.09
LOCKNEY	.28	.22	.14	.27	.34	.12	.06	.05	.08	.07	.19	.09	.10	.07	.07	.06	.01			.01			.01		2.24
LOGAN	.06	.16	.10	.05	.03	.04	.09	.13	.07	.08	.02	.16	.16	.03	.03	.01									1.22
MACFARLAN	.30	.25	.25	.30	.11	.22	.22	17	.12	.02	.19	.03	.20	.10	.16	.01			.01						2.66
MARLINTON	.09	.21	.20	.15	.30	.15	.20	.17	.18	.11	.29	.09	.11	.10	.05	.01		.01	.02	.01			.01	.02	2.48
MARTINSBURG MUNICIPAL AIRPORT					.06	.09	.15	.07	.05	.09	.09	.05	.16	.14	.14	.05	.04	.02	.04	.02			.01	.04	1.31
MATHIAS			.04	.06	.09	.16	.14	.11	.04	.05	.05	.03	.01	.08	.02	.01	.01				.01		.01		.92
MOOREFIELD			*	*	.10	.29	.14	.10	.07	.03	.05	.01	.06	.05		.01	.01	.04	.02	.02		.05	.04		1.09
MORGANTOWN MUNICIPAL AIRPORT 6			*	*	*	*	*	.47	*	*	*	*	*	.47	*	*	*	*	*	.72	*	*	*	*	
NAOMA //	.16	.04	.15	.15	.05	.05	.05	.19	.17	.14	.06	.11	.16	.07	.03	.01									1.59
OAK HILL																							.01	.02	.03
PARKERSBURG WOOD CO AIRPORT 6	*	.37	*	*	*	*	*	1.46	*	*	*	*	*	.62	*	*	*	*	*	.53	*	*	*	*	
PARKERSBURG WB CITY	.28	.34	.38	.25	.22	.30	.11	.08	.04	.02	.22		.05	.05	.09	.04		.01		.01	.07		.01		2.57
PETERSBURG WB CITY 6			*	*	*	*	*	.68	*	*	*	*	*	.52	*	*	*	*	*	.19	*	*	*	*	
SMITHBURG	.02	.06	.05	.05	.06	.05	.05	.08	.11	.22	.02	.09	.13	.23	.09	.16	.07	.07	.07	.03	.01	.01	.02	.02	1.77
SPRINGFIELD					.06	.13	.08	.05	.04	.06	.02	.05	.03	.11	.07	.02	.09	.06	.09	.05		.01	.10	.01	1.13
SUMMERSVILLE //	.10	.10	.24	.19	.10	.12	.13	.22	.17	.26	.11	.26	.16	.08	.01						.01		.02	.03	2.31
TERRA ALTA 2			.09	.08	.09	.11	.04	.08	.12	.06	.08	.08	.15	.12	.12	.35	.30	.19	.31	.30	.10	.07	.01	.02	2.87
TRIBBLE	.30	.15	.30	.24	.16	.11	.05	.07	.07	.14	.04	.09	.02	.04	.01									.01	1.80
TYGART DAM	.09	.12	.08	.13	.19	.14	.17	.13	.08	.05	.12	.22	.14	.09	.06	.10	.03	.03	.03	.01		.01	.05	.02	2.09
UNION	.01	.03	.23	.28	.15	.27	.10	.05	.21	.28	.19	.07	.26	.07	.01	.01						.01			2.23
VALLEY HEAD	.04	.01	.05	.07	.13	.08	.09	.09	.08	.06	15	.09	.10	.10	.12	.04	.03	.03	.05	.06	.10	.08	.09	.02	1.76
WEBSTER SPRINGS	.03	.10	.03	.19	.14	.10	.09	.03	.13	.09	.17	.06	.12	.13	.07	.02	.01	.03	.02	.05	.01	.01	.04	.01	1.68
WHEELING OHIO CO AIRPORT 6	*	.03	*	*	*	*	*	.47	*	*	*	*	*	.24	*	*	*	*	*	.50	*	*	*	*	
YAWKEY	.14	.21	.22	.10	.05	.02	.04	.14	.16	.04	.18	.07	.06	.02											1.45
—16th—																									
CHARLESTON KANAWHA AIRPORT 6									*	*	*	*	*	.08	*	*	*	*	*	.21	*	*	*	*	
CHARLESTON 3									.03			.01	.02	.06	.03	.14									.29
CLARKSBURG 1	.01	.06	.06	.07	.02	.03	.01	.04	.04	.07	.13	.07	.02	.01	.06										.70
CLAY 2	.05	.01	.01						.01	.01	.08			.14	.10	.03	.03	.01							.48
DAVIS	.06	.04	.07	.13	.11	.10	.17	.01	.01	.05	.05	.01	.08	.10	.01	.21	.18	.01							1.40
ELKINS WB AIRPORT	.05	.03	.19	.07	.06	.05	.05	.01					.14	.12	.04	.05	.03	.04							.93
FLAT TOP //															.02	.05		.02		.02	.05	.02			1.80
FRANKLIN		.02	.02	.01	.01	.01																			.07
FREEMANSBURG	.02	.02	.06	.13	.16	.01	.01	.07	.02	.01															.51
GARY //		.01	.01	.02					.01								.01	.01		.05	.04	.04			.20
HALL	.02	.25	.08	.13	.02		.08	.02	.01	.01	.17	.01		.01	.17	.01									.99
HUNDRED		.01	.03	.02	.02	.05	.03		.03	.05	.01	.01													.26
HUNTINGTON 2 //		.01							.04	.11	.29	.07	.03	.01	.01										.51
LAKE LYNN				.02	.06	.01		.10		.13	.06	.01													.39
LAKIN	.01							.02	.04	.03	.01	.03													.41
LIVERPOOL	.02	.06							.07	.10	.10	.29	.05	.04	.01										.74
LOCKNEY	.08	.05	.10	.10	.02	.01	.02			.08	.09	.03	.05	.08	.09	.01									.72
LOGAN		.02	.02						.01		.04	.01		.01	.10	.11	.02	.08	.02	.01					.45
MACFARLAN	.04	.03	.01	.01	.01	.01	.02		.06	.08	.01		.02	.12											.42
MARLINTON	.01																							.05	06
MARTINSBURG MUNICIPAL AIRPORT	.08	.01			.04	.05	.25	.03	.03	.07	.12	.01		.02	.03										.74
MATHIAS	.02	.04	.02	.02	.06	.07	.13	.08	.04								.01	.01							.50
MOOREFIELD	.01		.11		.10	.02	.10	.02	.04					.01	.01	.01	.01	.04	.01	.01	.01				.51
MORGANTOWN MUNICIPAL AIRPORT 6	*	.17	*	*	*	*	*	.11	*	*	*	*	*	.21	*	*	*	*	*	.13					
NAOMA //																.04	.13	.06	.17	.07					.47
OAK HILL	.05	.17	.21	.22	.12	.10	.15	.18	.22	.30	.29	.11	.29	.01	.01					*	*	*	*	*	*
PARKERSBURG WOOD CO AIRPORT 6	*	.03							*	*	*	*	*	.18											
PARKERSBURG WB CITY					.01				.11	.02			.01												.15
PETERSBURG WB CITY 6	*	.10	*	*	*	*	*	.36	*	*	*	*	*	.02	*	*	*	*	*	.09					
SMITHBURG		.02	.06	.01	.05	.02		.01	.01	.03	.09	.01		.07											.38
SPRINGFIELD	.03	.02	.01	.02	.02	.17	.03		.15	.13	.03	.01	.07	.11	.01										.81
SUMMERSVILLE //	.03							.01	.02		.02		.04	.01	.25	.02	.09	.06							.55
TERRA ALTA 2			.10		.11	.03	.06	.08	.10	.03	.17	.11	.01			.10									.90
TRIBBLE	.10	.04	.01						.04	.02	.09	.18	.11	.15	.02										.76
TYGART DAM		.02	.09	.02	.06	.02	.02	.02	.02	.14	.27	.02		.03	.17										.90
UNION		.01	.02	.01					.01	.01								.01			.08				.15
VALLEY HEAD	.08	.02	.05	.04	.01						.01	.08		.01	.	.13	.04	.02							.49
WEBSTER SPRINGS	.04	.03	.01									.01	.01	.01	.06	.17	.02	.07	.01						.53
WHEELING OHIO CO AIRPORT 6	*	.11	*	*	*	*	*	.07	*	*	*	*	*	.06											
YAWKEY											.02	.01	.01	.01	.01										.06
—18th—																									
CHARLESTON 3																						.03	.01	.06	.10
CLAY 2																						.01	.03	.01	.05
FLAT TOP //																				*	*	*	*	*	*
FREEMANSBURG																						.01	.07	.09	.17
GARY //																						.01	.01	.01	.03
HALL														-	-	-	-	-	-	-	-	-	-	-	-
HUNTINGTON 2 //																									
LAKE LYNN					.01			.01	.01		.01										.03	.01	.04	.06	.14
LAKIN																					.01	.01		.01	.07
LOGAN																							.01	.01	.02
NAOMA //																						.02	.01		.03
OAK HILL																				*	*	*	*	*	*
PARKERSBURG WOOD CO AIRPORT 6																					*	*	*	*	
PETERSBURG WB CITY 6																					*	*	*	*	
SMITHBURG																								.01	.01
SUMMERSVILLE //																								.01	.01
UNION																								.02	.02
VALLEY HEAD																					*	*	*	*	*
YAWKEY																						.01	.01	.02	.09	.13
—19th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.33	*	*	*	*	*	.42	*	*	*	*	*	.03	*	*	*	*	*	.01	*	*	*	*	
CHARLESTON 3	17	.08	.04	.15	.04	.05	.02	.03	.01		.01			.01		.01	.01	.01							.64
CLARKSBURG 1					.06	.09	.09	.05	.10	.01	.02			.01	.01	.02	.01				.01		.01		.49
CLAY 2	.08	.15	.05	.02	.09	.08	.06	.06	.07	.03	.01	.01	.01	.01	.01	.01	.02	.02	.01						.80
DAVIS			.02	.01	.01	.01	.07	.06	.07	.01	.08	.02	.03	.04	.01		.01	.05	.02	.01	.01			.01	.55
ELKINS WB AIRPORT	.04	.02	.05	.02	.03	.06	.07	.04	.05	.02	.02	.02	.04	.01	.01	.01	.01	.03	.04	.02	.01		.01		.63
FLAT TOP /	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
FRANKLIN	.01	.07	.02	.12	10		.08	.01	.01	.01					.01	.03	.02	.01							.50
FREEMANSBURG	05	.07	.06	.04	.01		.01	.02	04	.01	.01	.01													.33
GARY //	03	03			.05	.07	.06	.01		.01	.03	.05	.01		.01			.01							.37
HALL			01	03	.03	05	.01	.06	.01	.02	.01			.01	.01	.01									.26
HUNTINGTON 2 //		.02	11	.06	05		.01	.04																	.29

See reference notes following Station Index

Station	A. M. Hour ending												P. M. Hour ending												Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
LAKE LYNN					.02	.08	.02	.08	.07	.14	*	*	*	.22											.63
LAKIN	.01	.02	.10	.04	.01	.05																			.23
LIVERPOOL			.02	.05	.08	.05	.04				.02	.01													.27
LOCKNEY				.07	.08	.08	.04	.07	.06	.01	.02	.01	.01												.45
LOGAN	.01	.01		.06	.03	.06	.01	.02	.02	.02	.01	.01	.01												.27
MACFARLAN		.02	.05	.07	.05	.06	.04	.01	.01	.01	.02	.01	.01	.01	.02	.01									.40
MARLINTON	.04	.04	.06	.02	.01	.06	.07	.07	.05	.04	.03	.01	.01												.51
MARTINSBURG MUNICIPAL AIRPORT		.02	.09	.05	.06	.03	.01	.03	.07	.09	.06	.08	.05												.64
MATHIAS	.01	.02	.04	.05	.05	.02	.02	.03	.06	.02	.01														.33
MOOREFIELD	.01	.08	.01	.01	.04	.04	.01	.09	.02	.01															.32
MORGANTOWN MUNICIPAL AIRPORT 6	*		*	*	*	*	*	.30	*	*	*	*	*	.31	*	*	*	*	*	.07					.49
NAOMA //	.01	.02			.20	.05	.07		.02	.03	.06	.01	.01	.01											
OAK BILL	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
PARKERSBURG WOOD CO AIRPORT 6	*	.01	*	*	*	*	*	.14	*	*	*	*	*	.11	*	*	*	*	*	.02					.26
PARKERSBURG WB CITY	.01	.03	.05	.02	.02	.02						.04	.04	.02	.01										
PETERSBURG WB CITY 6	*	.03	*	*	*	*	*	.24	*	*	*	*	*	.13											.46
SMITHBURG	.04	.03	.02	.06	.07	.05	.04	.05	.02	.02	.01	.01	.01	.01	.01	.01									.47
SPRINGFIELD		.04	.05	.02	.03	.02	.04	.09	.12	.01	.02	.01	.01	.01											.89
SUMMERSVILLE //	.10	.10	.08	.11	.15	.09	.06	.04	.05	.06	.04	.01													.40
TERRA ALTA 2				.01	.06	.02	.01	.05	.05	.04	.04	.02				.01	.02	.06	.01						.41
TRIBBLE			.07	.08	.06	.06	.04		.01	.01	.01	.01	.01				.01	.02	.01	.01					.52
TYGART DAM			.02	.05	.09	.06	.05	.09	.07	.04	.01	.01	.01	.01		.01									.39
UNION	.03	.05	.09	.02	.01	.02	.07	.04	.03	.01			.01	.01											.61
VALLEY HEAD	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	.61					.72
WEBSTER SPRINGS	.01	.15	.12	.02	.12	.07	.05	.04	.03	.03	.03	.02		.01	.01	.01									.40
WHEELING OBIO CO AIRPORT 6			*	*	*	*	*	.08							*	*	*	*	*	.01					
YAWKEY	.10	.03	.04	.10	.03	.06		.01	.01	.02															
—20th—																									
CHARLESTON KANAWHA AIRPORT 6	*	.02																							
CLARKSBURG 1		.01		.01	.01																				
DAVIS		.01		.01	.01	.02	.01	.01			.01	.01													.03
ELKINS WB AIRPORT										.01			.01												.09
FLAT TOP //	*	.81																							.02
OAK BILL	*	.84																							.81
PARKERSBURG WOOD CO AIRPORT 6									*	*	*	*	*	.02											3.27
SMITHBURG									.01	.02	.01														.04
SUMMERSVILLE //																									
WHEELING OBIO CO AIRPORT 6									*	*	*	*	*	.02	*	*	*	*	*	.01					
—21st—																									
CLAY 2											.02	.02													
HUNTINGTON 2 //	.01	.01						.01																	.04
TERRA ALTA 2									.09	.01	.01														.03
																									.11
—24th—																									
CLARKSBURG 1																									
BUNTINGTON 2 //									.01	.02	.02	.01	.03	.01											.10
LOGAN					.04	.06	.08	.05	.05	.05	.03	.03	.01	.01		.01									.42
NAOMA //						.05	.08	.07	.04	.05	.04	.03	.02	.01											.39
OAK BILL						.03	.02		.01	.04	.03	.03	.03	.01											.20
UNION					*	*	*	.15	.05	.03	.04	.02	.02	.01										.01	.33
—25th—																									
CHARLESTON KANAWHA AIRPORT 6			*	*	*	*	*	.01																	
LOGAN	.01			.01	.02	.01	.01																		.06
MARLINTON														*	*	*	*	*	*	.11					.11
NAOMA //	.01		.01		.01	.01		.01	.02																.07
OAK BILL					.02	.01	.02																		.05
UNION	.02	.02	.01	.02	.01	.02	.03	.01																	.14
—26th—																									
FLAT TOP //															.07	.07	.01								.15
GARY //											.01	.03	.01	.06	.01										.12
MACFARLAN							.01		.01																.02
SPRINGFIELD										.01	.01	.01	.01	.01	.01	.01	.01								.08
—27th—																									
GARY //															.01	.01		.01	.01						.04
—28th—																									
FLAT TOP //					.01	.01										.03	.02	.09	.04	.08	.11	.03	.03		.45
GARY //											.01	.08	.07	.18	.03	.01									.38
HALL									.01	.01	.01	.01	.10	.01											.15
—29th—																									
CHARLESTON KANAWHA AIRPORT 6									*	*	*	*	*	.18	*	*	*	*	*	.19	*	*	*	*	
CHARLESTON 3							.01		.04	.02	.05	.04	.04			.01			.04			.01	.01	.03	.29
CLAY 2										.05	.02	.10	.03	.01		.01					.03	.08	.05	.02	.40
DAVIS					.02	.03	.02	.01	.01	.01	.07	.01	.01	.01	.03	.01				.03	.01	.01	.03	.07	.39
ELKINS WB AIRPORT		.02	.02	.01						.01	.04	.04	.04	.03	.01				.01	.02	.02	.04	.11	.10	.52
FLAT TOP //				.01	.01			.01				.07	.06	.02				.01	.01	.03	.04	.07	.04	.09	.47
FRANKLIN																				.09	.01	.09	.02	.21	
FREEMANSBURG		.02	.01	.01	.01	.02	.01	.02	.01	.04	.04	.01	.02	.01	.01	.01			.05	.01	.05	.03	.01	.40	
GARY //									.01	.04	.09	.06	.02	.01		.01			.02	.10	.05	.03	.12	.03	.59
HALL							.02	.04	.01	.02	.05	.04	.01	.10	.01							.11	.10	.12	.63
HUNDRED		.01	.01	.03	.04	03	.07	.06	.24	.01	.01	.01	.04	.05	.08	.01			.09	.02	.07	.01	.01		.90
HUNTINGTON 2 //				.01		.01	.10	.02	.01	.05	.01														.21
LAKE LYNN						.10			.06	.09	.05			.01	.01	.01	.01	.04	.01	.01	.09	.10	.01	.09	.69
LAKIN		.01	.02	.03				.09	.11	.04	.04	.02	.02				.04	.03							.45
LIVERPOOL				.01		.01	.05	.08	.05	.01	.01	.03	.01					.02	.06	.01	.01	.01			.37
LOCKNEY								.03	.01	.01	.05	.03	.01	.01						.06	.04	.02	.03	.01	.31
LOGAN								.04	.08	.06	.04	.03								.10	.01	.01	.03	.04	.44
MACFARLAN		.01	.01	.04	.02	.01	.05	.08	.06	.03	.01	.02	.01			.01	.01	.08	.08	.05	.01				.59
MARLINTON										.01	.02	.10	.06	.03	.01						.04	.10	.14	.12	.63
MARTINSBURG MUNICIPAL AIRPORT		.01	.03	.06	.15	.03	.01				.01		.01		.01		.01				.02	.07	.09	.07	.58
MATHIAS					.01	.03	.01															.06	.09	.07	.27
MOOREFIELD					.03	.01	.03	.02	.01	.03	.01										.02	.03	.02	.06	.27
MORGANTOWN MUNICIPAL AIRPORT 6		*	*	*	*	*	.06	*	*	*	*		*	.08	*	*	*	*	*	.12	*	*	*	*	
NAOMA //								.01	.03	.09	.10		.08	.02	.01			.01	.02	.01	.01	.06	.04	.01	.50
OAK BILL										.05	.06		.09	.03	.01				.01	.04	.06	.13	.11	.06	.65
PARKERSBURG WOOD CO AIRPORT 6		*	*	*	*	*	.04	*	*	*	*		*	.31	*	*	*	*	*	.07					
PARKERSBURG WB CITY					.02		.05	.16	.08	.02	.01		.02		.01			.02	.02						.41
PETERSBURG WB CITY 6		*	*	*	*	*	.07	*	*	*	*		*	.01							*	*	*	*	
SMITHBURG			.01	.01	.08	.02		.05	.07	.05	.04		.04	.04		.02	.01	.02	.02	.19	.03	.03			.73
SPRINGFIELD				.02	.03	.01	.02	.02	.01	.02	.08				.05	.02	.01					.08	.02	.03	.42
TERRA ALTA 2										.04	.02	.06	.02	.10	.01	.02	.02					.04	.02	.09	.44

See reference notes following Station Index.

HOURLY PRECIPITATION

Table 4–Continued

Station	A. M. Hour ending												P. M. Hour ending											Total
	1	2	3	4	5	6	7	8	9	10	11	12	1	2	3	4	5	6	7	8	9	10	11	12	
TYGART DAM						.01	.02	.02	.03	.03	.08	.01	.04	.03	.01			.01	.01			.09	.04	.10	.53
UNION	.01	.01	.01					.02			.01	.01	.02	.02	.03			.01		.02	.07	.10	.14	.11	.59
VALLEY HEAD			.04					.01			.01	.04	.02	.01	.01	.01				.01	.07	.11	.11	.09	.54
WEBSTER SPRINGS										.01	.01	.03	.04	.10			.02		.01	.02	.07	.07	.13	.10	.61
WHEELING OHIO CO AIRPORT 6			*	*	*	*	*	.29	*	*	*	*	*	.31	*	*	*	*	*	.03					
YAWKEY								*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*
													—30th—												
CHARLESTON KANAWHA AIRPORT 6	*	.17	*	*	*	*	*	.03							*	*	*	*	*	.02	*	*	*	*	
CHARLESTON 3	.03	.01												.01	.01			.01							.07
CLARKSBURG 1	–	–	–	–	–	–	–	–	–	–	–	–	–	–											–
CLAY 2	.03	.03	.05	.01	.01											.01			.01						.15
DAVIS	.02	.09	.07	.04		.07		.01												.03		.01	.03		.37
ELKINS WB AIRPORT	.11	.07	.04	.03	.01	.01	.01																	.01	.29
FLAT TOP //	.02	.01																							.03
FRANKLIN	.08	.09	.05	.06	.01	.02	.01	.06																	.38
GARY //	.03	.02	.01	.02																					.08
HALL	.09	.03	.02	.01	.01	.01	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LAKE LYNN		*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*	*					.03
LOCKNEY	.02	.01														.01		.01							.07
LOGAN	.01	.04																							.29
MARLINTON	.13	.09	.03	.03	.01																				.76
MARTINSBURG MUNICIPAL AIRPORT	.09	.11	.13	.14	.08	.03	.07	.02	.02	.03	.03	.01													.58
MATHIAS	.07	.06	.06	.14	.09	.03	.03		.01	.02	.02	.03	.01	.01											.50
MOOREFIELD	.08	.04	.13	.07	.07	.01	.02	.03	.03	.01	.01										*	*	*	*	
MORGANTOWN MUNICIPAL AIRPORT 6	*	.24	*	*	*	*	*	.01																	.06
NAOMA //	.01	.02	.01	.01	.01																				.16
OAK HILL	.02	.02	.01	.02	.02	.01		.01		.01		.01	.01	.01				.01							
PETERSBURG WB CITY 6	*	.11	*	*	*	*	*	.26																	.48
SPRINGFIELD	.07	.04	.07	.10	.07	.03	.05	.04	.01																.13
TERRA ALTA 2	.09	.02	.02					.02	.15	.04	.01	.02	.01					.05	.01		.01	.01			.33
TRIBBLE																									.07
TYGART DAM	.05	.01	.01																						.16
UNION	.05	.07	.01		.03																				.21
VALLEY HEAD	.05	.05	.03	.04	.03	.01																			.08
WEBSTER SPRINGS	.02	.02	.03	.02																	*	*	*	*	
WHEELING OHIO CO AIRPORT 6									*	*	*	*	*	.02											.54
YAWKEY	*	*	*	*	*	*	*	*	*	*	*	*	*	.54											
													—31st—												
CHARLESTON KANAWHA AIRPORT 6	*	.02																							.05
CLARKSBURG 1				.01	.03	.01																			.19
DAVIS				.01		.01	.01			.01		.02	.01	.01	.03	.02	.02	.01	.01		.01	.01			.13
ELKINS WB AIRPORT		.01	.01	.01	.01	.01	.01	.01		.01		.01	.01	.01	.01	.01									
HALL	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
LAKE LYNN								*	*	*	*	*	*	*	*	*	*	*	*	.20					.20
LOCKNEY												.01	.01		.01										.03
LOGAN		.01																							.01
MORGANTOWN MUNICIPAL AIRPORT 6	*	.02	*	*	*	*	*	.04	*	*	*	*	*	.05											
OAK HILL		.01	.01	.01	.01																				.04
SUMMERSVILLE	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–	–
TERRA ALTA 2						.01	.01	.01	.02	.02	.01	.01													.09
TYGART DAM								.05	.02	.01		.01	.01											.01	.11
WHEELING OHIO CO AIRPORT 6	*	.01	*	*	*	*	*	.04	*	*	*	*	*	.04											

See reference notes following Station Index

DAILY TEMPERATURES

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
ATHENS	MAX	50	56	48	46	53	53	55	49	40	37	41	54	61	62	60	62	58	43	40	37	52	50	42	33	25	25	35	41	54	53	28	46.5
	MIN	23	32	38	42	29	42	26	35	26	21	13	32	47	50	50	55	34	22	31	27	28	40	26	22	15	- 5	- 1	14	34	26	20	28.8
BARTOW	MAX	50	39	45			51	42	55	35	48			62	65	65	60					35	49	39				40	49	49	49		
	MIN	16	13	16			24	17	16	15	17			18	45	41	42				19	16	15	21				- 8	- 6	24	31		
BAYARD	MAX	42	50	50	50	49	52	56	45	35	30	40	55	56	51	44	51	50	37	34	30	46	43	33	27	24	20	32	48	47	45	29	42.0
	MIN	19	13	30	40	23	37	20	26	13	15	3	25	40	39	34	33	30	22	24	22	21	30	20	17	11	- 6	- 5	11	24	28	18	21.8
BECKLEY V A HOSPITAL	MAX	50	54	50			51	55	53	40	35	44	58	62	62	61	61	57	41	43	37	51	50	42	40			34	51	52	51	26	48.6
	MIN	21	24	40			36	24	35	25	20	13	34	45	47	51	44	34	20	32	27	30	38	25	24			- 5	8	39	26	20	28.8
BENSON	MAX	50	54	55	58	55	64	56	54	44	41	45	59	64	64	62	64	58	44	41	34	52	52	42	35	34	26	36	49	55	52	34	49.5
	MIN	22	19	38	35	29	44	21	29	17	20	15	28	46	45	41	57	31	22	30	29	32	26	22	24	21	5	5	13	27	32	22	27.3
BENS RUN	MAX	50	50	50	58	56	59	54	42	47	37	44	60	63	57	63	64	52	40	41	57	52	48	37	43	32	27	37	46	52	52	35	48.5
	MIN	28	24	43	38	32	39	28	31	22	27	18	35	46	47	43	46	33	24	31	29	33	28	25	26	17	10	9	17	36	31	23	29.6
BERKELEY SPRINGS	MAX	53	48	42	59	54	55	61	55	43	36	36	44	67	62	48	37	47	48	32	33	54	51	42	33	31	28	42	41	41	46	36	45.3
	MIN	23	20	36	41	26	43	26	31	21	25	15	29	39	47	32	32	31	29	26	26	21	30	28	25	19	11	5	21	24	33	29	27.2
BLUEFIELD NO 1	MAX	47	54	49	47	54	53	56	51	41	31	41	51	67	62	62	62	60	41	44	36	56	51	45	40	31	23	35	47	55	54	29	47.6
	MIN	28	32	42	42	32	41	32	37	30	24	17	27	48	52	53	56	36	26	32	28	34	32	27	24	21	0	7	18	41	28	19	31.2
BLUESTONE DAM 3 S	MAX	51	50	54	50	53	53	57	51	49	44	35	41	47	65	62	55	65	50	48	41	43	57	54	44	44	31	31	40	43	58	35	48.4
	MIN	30	27	27	43	37	36	27	26	29	26	16	16	26	41	43	50	40	26	27	32	28	28	30	27	26	3	1	13	31	34	27	28.2
BRANDONVILLE	MAX	44	46	49	52	58	54	45	54	38	37	27	53	54	59	50	56	58	39	34	35	40	46	37	32	25	22	22	47	45	51	32	43.3
	MIN	34	17	26	24	34	30	23	31	14	17	9	20	45	44	36	37	31	19	24	27	24	29	21	17	15	2	- 4		36	30	23	24.5
BRANDYWINE	MAX	51	48	56	57	53	56	59	51	44	38	38	55	66	64	56	47	50	41	40	38	53	52	47	38	34	29	44					48.3
	MIN	22	18	37	38	27	42	23	31	20	20	13	29	37	35	40	41	31	23	29	29	24	31	25	21	17	1	6				12	25.8
BROWNSVILLE	MAX				58	56	64	58	58	41	39	47	60	66	64	62	62	59	42	40	38	55	52	42	35	32	26	37	52	55	57	34	49.7
	MIN	22	18	39	43	28	44	21	29	16	19	14	30	41	42	43	59	30	20	31	29	31	26	23	25	21	4	4	12	30	32	22	27.4
BUCKHANNON	MAX	49	55	49	56	59	64	57	46	38	31	48	58	64	56	61	61	54	37	40	33	52	45	37	32	27	24	35	51	56	54	30	47.1
	MIN	22	18	41	40	26	40	22	29	16	18	12	31	45	46	43	53	33	21	29	27	30	29	23	23	15	5	5	13	30	29	19	26.9
CABWAYLINGO STATE FRST	MAX	52	61	51	60	60	71	58	47	54	45	51	62	66	64	67	66	57	41	41	44	59	53	42	38	31	26	39	49	59	51	33	51.5
	MIN	24	22	45	46	32	41	22	29	19	24	14	32	39	42	52	56	33	22	34	32	30	34	25	28	23	- 3	- 1	11	34	32	23	28.9
CAIRO 3 S	MAX	52	54	52	60	57	61	57	42	40	34	48	62	62	59	65	66		39	36	54	39	38	38	35	28	24	37	49	54	50	34	47.5
	MIN	22	19	41	39	30	41	28	37	18	23	13	29	44	39	44	42	29	22	19	31	30	21	23	26	20	9	4	12	31	30	23	27.1
CANAAN VALLEY	MAX	39	44	48	46	51	54	54	40	35	31	37	49	55	57	57	58	39	36	35	32	43	40	32	26	21	19	29	48	50	59	26	41.6
	MIN	18	9	35	39	21	36	27	29	13	15	2	29	43	43	38	51	29	19	24	20	19	29	17	17	14	- 4	6	8	31	26	16	23.2
CHARLESTON KANAWHA APT	MAX	50	60	50	55	63	54	57	46	42	29	51	62	66	63	66	65	45	38	39	42	57	46	39	33	29	26	38	50	58	35	31	47.9
	MIN	28	23	46	39	33	32	28	29	23	20	16	42	52	52	52	43	31	24	32	28	40	30	29	28	14	7	9	18	38	27	22	30.2
CHARLESTON NO 1	MAX	52	54	62	52	57	65	54	60	47	45	31	59	65	68	64	68	65	49	42	42	49	59	47	43	34	31	29	41	61	58	37	51.3
	MIN	31	26	29	47	43	44	28	30	24	26	17	19	47	47	48	61	36	26	28	33	34	35	29	30	27	9	10	12	20	35	25	30.8
CLARKSBURG NO 1	MAX	47	48	52	51	56	54	49	55	40	42	31	53	58	63	54	63	62	44	37	37	42	51	44	35	32	27	24	35	54	55	35	46.1
	MIN	25	20	21	39	30	30	23	23	19	20	17	17	44	45	42	51	34	22	23	29	29	29	25	25	23	7	6	10	14	32	26	25.8
COALWOOD	MAX	51	65	54	51	57	56	60	56	47	40	51	59	67	65	65	67	63	49	47	43	56	56	53	36	32	30	43	46	55	48	32	51.6
	MIN	25	24	45	46	31	40	25	35	28	24	15	32	45	44	42	51	33	23	36	32	28	31	26	28	23	- 1	1	14	35	32	24	29.6
CRANBERRY GLADES	MAX	38	44	44	48	46	47	53	52	39	38	34	47	56	60	62	57	58	39	38	39	44	46	41	32	27	21	34	40	46	48	25	43.3
	MIN	17	32	33	36	25	33	20	30	16	16	4	27	44	38	40	40	30	19	26	21	9	29	27	19	16	- 5	- 8	3	21	24	15	22.5
CRESTON	MAX											32	53	63	67		66	62	55	36	57	54	63	54	39	38	30	27	38	54	55	35	
	MIN										21	16	17	43	43	43	60	33	25	24	34	32	20	33	26	26	9	8	14	14	34	26	27.3
ELKINS WB AIRPORT	MAX	48	51	48	53	56	53	60	45	37	28	46	57	63	56	62	61	44	39	36	35	51	45	33	30	24	24	38	54	54	46	25	45.2
	MIN	20	16	38	32	28	26	21	24	16	16	10	32	45	42	46	44	30	20	27	26	32	29	24	22	11	4	2	11	43	25	19	25.2
FAIRMOUNT	MAX	52	52	49	59	60	51	57	44	40	32	46	57	63	53	62	62	45	36	36	38	52	45	39	32	27	25	37	51	52	40	31	46.0
	MIN	25	23	43	34	31	33	26	25	20	19	16	36	43	43	45	42	30	23	31	29	37	28	24	24	15	8	8	16	36	28	24	27.9
FLAT TOP	MAX	44	52	47	43	48	47	53	43	38	28	38	50	59	58	57	57	54	38	35	33	48	46	35	29	23	21	32	44	50	47	23	42.6
	MIN	23	21	37	39	35	33	22	29	24	16	10	30	48	49	50	54	31	21	26	23	27	32	22	19	9	- 3	- 5	13	36	23	15	26.1
GARY	MAX	49	52	65	50	51	58	56	59	46	46	35	52	58	68	65	65	65	50	51	47	42	57	54	44	34	28	31	40	54	59	34	50.5
	MIN	27	24	25	45	32	37	26	27	29	25	16	17	40	44	46	55	39	24	25	32	28	29	28	28	27	- 1	1	2	14	33	24	27.4
GLENVILLE NO 1	MAX	51	52	50	58	64	58	57	43	44	44	47	62	67	61	65	64	54	49	39	38	55	47	40	35	33	26	37	49	58	53	32	49.4
	MIN	26	21	42	42	32	43	24	32	20	24	17	33	43	47	45	54	36	24	32	31	35	28	25	26	20	8	8	14	32	32	24	29.7
GRAFTON	MAX	48	55	51	55	59	62	56	40	38	29	46	58	62	55	62	62	50	39	38	35	51	43	37	32	25	23	35	47	55	51	32	46.2
	MIN	22	18	38	42	30	34	21	29	16	17	11	29	28	39	40	50	33	22	31	29	32	25	25	23	16	5	3	11	29	32	23	25.9
GRANTSVILLE	MAX	51	54	56	52	60	62	52	59	44	44	33	54	63	69	61	68	63	49	39	39	44	56	47	39	35	29	29	41	55	56	38	49.7
	MIN	25	21	21	32	32	33	23	32	19	25	17	18	44	42	47	59	33	24	25	31	32	27	23	26	26	9	8	8	14	35	22	26.9
HAMLIN	MAX	51	54	63	50	62	64	53	59	45	44	32	54	63	68	63	67	63	47	40	40	47	58	46	47	33	31	27	40	59	57	36	50.4
	MIN	21	19	23	46	30	34	22	23	17	23	12	17	40	42	44	59	29	20	25	30	31	29	23	27	24	4	4	10	19	33	20	25.8
HASTINGS	MAX	47	51	52	57	47	61	52	55	36	36	40	57	62	60	57	60	54	39	32	33	49	48	35	30	28	21	35	35	51	50	29	45.1
	MIN	23	17	43	46	29	40	22	32	16	21	12	30	42	47	41	58	29	18	30	26	32	27	23	22	18	3	1	10	32	30	21	27.1
HINTON NO 1	MAX	54	55	58	50	53	53	58	53	52	44	38	44	49	66	62	55	65	52	46	43	42	59	55	45	33	31	15	42	49	54	37	48.8
	MIN	31	25	35	43	37	37	27	30	32	26	18	30	36	42	43	50	38	27	30	33	28	30	31	27	26	5	0	10	17	34	26	29.2
HUNTINGTON NO 1	MAX	53	55	52	58	61	64	60	51	44	35	49	62	69	64	67	67	50	40	38	45	57	49	43	40	32	29	41	53	57	53	35	50.7
	MIN	28	27	27	46	36	40	30	34	24	28	20	39	51	51	52	50	35	28	33	33	42	33	30	30	21	11	12	19	43	32	23	32.5
KEARNEYSVILLE 1 NW	MAX	55	46	44	45	52	60	60	52	43	39	38	53	67	59	49	37	45	42	32	34	48	47	41	34	33	27	38	45	45	42	37	44.8
	MIN	25	22	35	35	30	46	28	38	26	25	18	32	42	47	32	33	28	26	26	21	22	33	28	23	20	11	2	15	31	35	30	27.9
KUMBRABOW STATE FOREST	MAX	44	45	48	47	51	49	57	48		37	42	51	58	57	56	57	53	41	35	25	46	41	34	28	25	27	32	49	49	49	27	43.6
	MIN	20	19	33	39	27	35	22	29		3	3	28	45	45	40	52	29	12	25	21	18	28	18	17	8	- 6	- 2	6	27	24	15	22.7
LE SAGE GREENBOTTOM	MAX	55	47	49	49		62	58	54	40	38			67	64	68	65	50	47		43	55	54	42					40	50	56	54	35	51.8
	MIN	28	25	27	46		35	27	30	22	27			17	48	51	49	31	26		27	39	30	26					7	17	40	31	23	30.4
LEWISBURG	MAX	48	50	48	53	50	52	51	45	42	38	39	52	62	65	56	63	57	44	39	36	54	49	41	34	28	24	35	47	53	50	32	46.4
	MIN	20	21	40	38	27	37	21	30	23	18	11	20	40	37	45	45	35	19	32	27	22	33	21	23	17	- 9	-10	3	28	30	22	24.7
LOGAN	MAX	51	52	60	53	57	62	55	58	49	45	35	52	64	69	65	68	66	51	46	44	46	60	50	44	32	30	30	38	58	58	36	51.1
	MIN	32	29	29	48	39	39	28	28	28	19	20	49	50	50	58	38	29	30	34	33	34	30	29	29	5	5	6	17	35	27		30.8
LONDON LOCKS	MAX	51	51	59	52	57	62	55	60	46	44	31	40	64	67	60	67	66	48	45	45	45	59										53.4
	MIN	33	30	30	48	40	40	29	29	25	26	18	19	47	47	47	55	39	28	29	34	33	35	30	29	29	10	10	11	19	34	27	31.0

See reference notes following Station Index.

DAILY TEMPERATURES

Table 5–Continued

Station		Day of month																														Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
MADISON	MAX	50	50	61	52	56	64	52	59	45	42	33	58	64	66	65	68	67	46	47	41	43	59	49	40	40	34	26	37	60	60	35	50.6
	MIN	30	24	26	37	37	38	26	26	24	25	15	19	46	47	47	58	36	26	27	33	32	36	27	28	22	5	6	7	17	34	26	28.6
MANNINGTON 1 N	MAX	51	52	52	58	50	61	55	49	40	37	45	59	64	60	59	64	55	42	40	35	51	49	40	35	33	26	37	49	51	52	40	48.1
	MIN	22	15	32	33	29	42	22	25	19	20	12	25	53	40	40	49	25	17	30	25	32	25	21	22	19	3	3	11	25	32	24	25.5
MARTINSBURG MUNICIPAL AP	MAX	52	45	46	59	51	57	59	49	38	37	37	57	66	60	43	37	45	37	33	34	46	47	37	31	29	28	39	45	42	45	35	44.1
	MIN	24	22	38	35	29	37	26	34	26	25	17	30	40	39	32	33	28	27	22	21	21	33	28	21	14	8	2	13	27	33	31	26.3
MC NEILL 2 NE	MAX	53	43	42	60	50	55	51	55	52	40	37	64	69	61	55	40	50	46	39	37	55	53	54	38	33	28	45	49	56	57	35	48.5
	MIN	20	16	30	38	27	36	19	34	16	20	11	27	39	34	37	34	30	23	28	28	25	30	19	20	20	3	- 1	8	22	32	29	24.3
MIDDLEBOURNE 2 ESE	MAX	50	50	53	52	58	60	50	57	41	41	30	50	61	66	55	65	63	44	37	36	42	52	42	36	33	28	28	39	48	53	35	46.9
	MIN	26	20	38	37	31	44	25	30	19	24	15	32	44	44	42	54	30	22	32	29	34	27	22	26	24	9	7	14	34	33	26	28.8
MOOREFIELD	MAX	55	42	43	60	45		64	53	41	43	39	63	69	63	51	42	51	43	37	37	57	53	45	34	30	29	41	51	59		37	45.9
	MIN	25	23	34	39	31	38	25	31	24	21	17	29	43	41	35	35	33	25	29	31	30	33	26	26	19	9	6	13	26	34	30	27.8
MORGANTOWN MUNICIPAL AP	MAX	48	52	51	54	63	63	54	41	38	30	46	57	61	56	60	61	42	35	35	37	49	43	33	29	24	21	34	49	54	41	30	44.9
	MIN	28	19	43	38	27	36	28	27	20	21	18	44	47	41	41	40	26	22	29	28	32	26	24	22	11	6	10	21	41	26	22	27.9
MORGANTOWN NO 1	MAX	51	50	52	55	57	55	56	50	40	35	41	49	53	48	51	51	50	44	35	34	52	47	38	32	30	25	28	51	53	41	32	44.7
	MIN	30	22	41	41	32	43	29	35	20	25	20	45	40	36	40	46	36	20	30	29	31	31	25	23	17	8	8	20	34	32	23	29.4
MORGANTOWN LOCK 10	MAX	53	55	52	58	53	62	54	54	41	39	48	59	64	61	59	63	52	42	36	36	52	50	40	35	31	25	37	51	55	51	35	48.5
	MIN	32	26	41	42	34	45	31	39	23	29	19	38	46	45	49	51	32	22	30	29	32	29	24	23	20	8	9	18	30	32	25	30.7
NEW CUMBERLAND DAM 9	MAX	44	47	47	57	56	58	56	47	40	31	38	55	60	56	45	54	43	35	32	35	49	47	34	30	28	28	37	43	53	50	33	44.1
	MIN	32	23	23	32	32	39	29	26	18	22	16	30	35	35	39	42	30	27	26	27	46	27	26	24	18	6	12	18	33	28	25	27.3
NEW MARTINSVILLE	MAX	51	50	51	58	60	61	55	46	41	33	47	60	65	55	64	64	47	37	34	37	52	46	38	32	29	28	39	48	53	50	31	47.2
	MIN	26	22	40	36	33	35	26	30	20	27	17	33	44	45	42	45	30	21	30	28	33	27	24	25	18	9	8	14	33	28	23	28.1
OAK HILL	MAX	45	48	52	47	47	58	51	58	41	36	27	45	55	53	60	60	62	43	42	57	51	40	53	37	35	23	22	36	48	53	31	45.7
	MIN	24	24	35	41	40	42	32	33	25	25	24	25	41	41	51	52	34	32	34	29	30	30	27	23	22	5	4	15	47	30	21	30.5
PARKERSBURG WOOD CO AP	MAX	48	52	50	58	62	53	54	42	39	29	46	59	64	56	64	62	44	36	33	38	52	44	36	33	27	25	37	47	53	36	35	45.6
	MIN	28	24	45	40	31	36	30	28	21	24	19	44	46	44	44	37	30	24	30	29	38	28	26	26	14	8	11	20	36	28	24	29.5
PARKERSBURG WB CITY	MAX	51	52	50	61	63	51	56	42	40	30	47	59	66	56	65	64	44	36	33	40	54	42	36	34	27	28	39	48	55	38	35	46.5
	MIN	29	26	46	40	33	34	29	28	23	23	20	43	43	46	45	39	30	25	31	30	40	29	27	26	14	11	10	20	38	29	23	30.0
PARSONS	MAX	49	51	49	55	55	57	60	44	40	37	45	57	64	58	61	61	55	42	35	32	51	47	38	31	27	26	37	51	54	50	31	46.8
	MIN	22	20	37	43	31	41	22	28	16	17	10	30	44	42	40	54	34	23	30	26	24	32	23	23	15	2	2	11	26	30	20	26.4
PETERSBURG WB CITY	MAX	54	43	43	61	55	56	64	50	44	37	40	63	69	63	46	40	52	38	35	38	57	54	42	33	29	29	45	52	58	48	35	47.5
	MIN	24	20	37	32	28	41	25	29	22	22	16	30	51	46	35	35	32	25	28	29	29	34	27	24	14	9	6	14	29	32	29	27.5
PICKENS NO 1	MAX								30	40	23	43	53		60	59	58	55	36	36	33	49	42	35	30	25	18	32	51	53	49	27	40.7
	MIN	23	20	38	31	29	28	25	28	17	11	6	31		42	46	50	27	19	21	25	28	27	21	20	8	- 4	5	12	39	25	14	23.7
PIEDMONT 1 SE	MAX	49	46	42	58	48	51	57	55	40	38	34	58	64	62	54	38	45	42	34	34	50	49	41	34	31	26	38	46	43	42	36	44.7
	MIN	27	23	33	41	33	42	26	31	23	24	17	29	46	43	33	34	34	26	27	30	26	35	27	24	18	9	6	22	28	35	27	28.4
PINEVILLE	MAX	49	57	59	48	51	59	55	59	48	48	36	49	59	67	62	62	65	51	50	44	44	57	52	45	33	31	30	40	47	51	35	49.8
	MIN	26	24	24	42	32	35	22	21	25	21	12	14	35	39	40	50	32	18	38	30	23	24	24	25	20	- 3	- 3	9	30	30	21	25.2
POINT PLEASANT	MAX	49	51	50	59	57	62	55	55	40	39	47	60	65	63	64	63	50	45	38	42	54	54	39	39	35	27	38	49	55	52	35	49.4
	MIN	27	25	44	47	34	42	29	30	23	28	18	37	45	49	48	50	34	27	32	32	40	32	28	29	23	10	11	19	40	31	25	31.9
RAINELLE NO 1	MAX	50	49	50	49	50	52	55	42	41	33	39	52	62	60	55	61	56	44	39	36	52	46	37	31	27	28	37	47	52	46	28	45.4
	MIN	22	21	40	41	30	34	20	29	20	18	10	31	36	38	45	47	31	21	29	21	25	29	24	23	14	0	- 5	8	31	27	19	25.1
RAVENSWOOD DAM 22	MAX	52	51	52	61	60	63	57	56	41	40	47	61	67	66	66	65	52	45	39	41	55	55	40	38	34	29	38	49	56	56	37	50.6
	MIN	23	21	43	37	29	39	36	30	18	24	15	35	39	45	46	49	28	23	30	32	37	26	20	27	21	6	7	9	40	32	21	28.6
RICHWOOD	MAX	54	50	53	47	52	55	51	56	59	54	50	56	56	64	65	60	60	44	48	52	53	52	49	46	36	31	28	38	55	54	41	50.6
	MIN	24	24	36	38	40	44	27	27	36	24	14	14	33	45	50	48	34	22	22	33	37	40	40	24	17	4	3	3	13	30	10	27.6
RIPLEY	MAX	55	55	51	61	62	52	60	53	40	38	47	62	67	64	65	65	51	45	36	42	57	55	40	38	34	30	41	49	55	55	35	50.3
	MIN	22	20	41	39	29	35	23	29	17	21	14	32	41	46	45	49	28	21	30	29	35	25	20	27	20	5	6	13	34	29	21	27.3
ROMNEY	MAX	55	49	43	61	57	55	55	55	42	42	37	59	69	64	54	39	47	45	36	36	54	52	45	34	32	28	44	50	45	44	38	48.9
	MIN	30	20	32	38	30	38	24	32	22	25	16	28	45	41	34	34	31	26	28	29	25	31	29	24	20	10	3	13	27	34	29	27.4
ROWLESBURG NO 1	MAX	47	51	52	48	57	50	50	60	43	89	29	43	57	65	54	61	60	45	43	35	37	51	46	37	30	24	27	37	52	49	34	45.6
	MIN	28	23	23	40	34	35	26	25	20	20	12	12	33	42	42	41	37	27	27	28	28	32	27	24	22	5	2	3	15	33	26	25.5
SALEM	MAX	52	55	50	60	60	62	55	40	44	34	44		64		60	64	57	49	40	35		50	52	37	39	31	37	52	54	44	34	48.4
	MIN	21	16	38	33	29	42	20	30	16	19	13		28		40	42	30	25	19	26		28	21	20	19	4	4	11	23	24	22	23.7
SPENCER	MAX	49	50	55	50	57	61	50	57	47	40	30	53	62	66	62	66	63	45	38	38	45	55	43	39	33	28	26	38	55	55	36	48.1
	MIN	25	21	31	41	30	40	24	31	18	24	16	23	44	41	47	60	30	23	24	30	31	28	23	28	24	7	7	12	22	30	22	27.9
[illegible]UMMERSVILLE	MAX	49	54	49	60	57	51	59	52	38	27	42		64	62	62	60	42	49	39	45	53	44	45	30	25	30	40	51	64		31	47.4
	MIN	14	35	40	24	34	17	23	15	14	5	22	32	42	45	48	31	16	23	24	25	25	22	22	18	1	- 2	7	32	23		16	23.1
[illegible]TTON	MAX	52	55	55	58	58	54	54	54	44	44	47	60	65	65	66	66	62	52	45	45	56	56	45	44	38	28	38	44	58	58	39	51.8
	MIN	26	20	37	37	32	40	22	29	18	18	15	30	41	38	42	52	34	22	33	30	32	29	30	27	20	6	5	12	30	31	22	27.7
[illegible]RRA ALTA NO 1	MAX	44	48							40	38	38	51	56	54	52	48	40	34	36	30	44						30	45	48	46	28	
	MIN	20	18							12	10		28	44	38	32	36	26	18	26	20	30					0	- 1	12	31	26	17	
[illegible]ION	MAX	46	50	55	48	50	55	53	53	46	41	31	39	56	64	63	57	61	47	45	38	38	57	53	43	29	28	25	35	50	55	33	46.6
	MIN	20	22	25	40	29	32	24	26	25	20	12	16	37	43	47	46	35	21	22	29	24	30	24	23	22	-11	-12	- 8	10	31	22	23.4
VALLEY CHAPEL	MAX	51	54	53	60	58	63	58	55	43	42	47	59	66	65	61	63	60	44	40	37	56	58		37	35	28	38	51	59	53	33	50.9
	MIN	23	20	40	38	30	44	23	30	18	22	17	31	44	44	42	60	31	24	28	19	32	27	22	26	20	8	7	15	31	32	23	28.1
[illegible] 2 N	MAX	50	50	52	60	59	65	57	57	40	39	47	59	65	68	70		52	45	37	39	56	55	36	37	35	25	37	47	53	55	36	49.4
	MIN	25	23	43	37	31	40	26	29	19	24	16	30	41	48	45		31	22	32	29	36	28	23	28	20	8	8	17	37	31	24	28.4
[illegible] R M FARM	MAX	48	52	47	45		60	53	62	48	40	37	37	61	67	58	36	39	50	38	36	37	55	51	40	32	30	31	43	50	60	37	46.0
	MIN	22	19	21	39		27	21	24	19	20	14	16	34	38	34	32	32	22	23	27	22	23	27	21	20	9	2	3	16	35	29	23.0
[illegible]	MAX	52	56	53	53	61	59	61	50	43	35	47	59	65	66	63	63	58	43	41	35	54	51	42	35	32	29	37	53	58	56	32	49.7
	MIN	28	24	43	45	31	40	26	35	21	22	14	35	50	49	50	57	37	25	32	29	32	34	27	27	16	7	6	13	40	31	20	30.5
[illegible]	MAX	46	47	50	55	55	54	53	47	37	33	39	56	60	56	48	62	46	40	33	35	50	50	35	34	30	25	36	45	54	53	33	45.1
	MIN	20	19	33	32	33	42	27	32	14	28	13	30	34	40	43	40	29	25	29	27	32	22	25	22	19	3	4	13	33	32	25	26.5
[illegible]	MAX	49	53	55	51	58	63	51	60	44	49	31	56	59	65	58	62	63	45	38	42	41	55	46	38	32	28	24	38	52	55	38	48.4
	MIN	26	23	23	45	31	31	26	26	20	20	18	18	44	44	45	52	40	27	27	29	29	35	28	28	26	10	10	11	16	35	27	28.1
[illegible] [illegible] CO AIRPORT	MAX	44	47	49	56	58	55	50	39	38	29	41	55	59	55	59	61	40	29	31	33	48	38	31	28	23	23	34	44	52	36	31	42.5
	MIN	28	24	41	32	30	37	34	26	18	20	15	41	42	39	35	35	24	24	25	25	33	27	23	21	12	6	10	21	35	26	21	26.8

See reference notes following Station Index

Station		Day of month																													Average
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	
WHEELING WARWOOD DAM 12	MAX	49	49	58	50	57	60	48	53	39	38	32	52	57	61	50	62	62	41	36	33	42	51	38	34	30	26	25	36	55	54	36	45.6
	MIN	31	25	27	35	33	34	31	32	20	21	19	19	44	44	41	44	34	27	29	29	29	28	27	25	24	8	9	18	24	35	26	28.1
WHITE SULPHUR SPRINGS	MAX	50	51	48	54	53	54	50	47	41	40	41	49	63	65	60	64	59	45	40	37	55	51	45	37	30	26	35	47	55	49	32	47.5
	MIN	23	18	39	46	32	42	22	33	25	23	10	27	23	42	45	45	37	22	17	29	22	35	28	24	20	- 3	6	6	31	29	22	26.1
WILLIAMSON	MAX	54	57	60	51	60	62	60	62	50	48	40	52	66	71	61	68	65	54	46	46	49	62	50	48	34	32	31	45	58	59	38	52.9
	MIN	30	26	27	46	35	42	27	28	27	26	19	21	45	46	48	58	38	28	29	34	28	29	30	28	28	6	6	7	18	46	26	30.1
WINFIELD LOCKS	MAX	51	54	55	50	60	65	52	58	43	43	31	50	62	67	62	67	63	47	40	54	45	57	43	41	35	30	30	40	58	60	36	50.0
	MIN	28	27	26	45	36	38	28	29	21	22	18	20	46	46	46	57	32	26	26	32	33	33	27	27	28	9	9	12	19	35	26	29.3

DELAYED DATA

JULY 1948																															
WHEELING OHIO CO AIRPORT	MAX	75	77	90	94	91	81	76	79	84	86	87	88	87	80	86	84	89	89	88	82	81	83	82	76	82	82	85	84	90	89	84	84.2
	MIN	58	49	63	67	67	63	61	55	62	57	62	69	70	68	63	66	70	70	68	69	68	71	65	59	54	60	62	60	60	69	68	63.6
AUGUST 1948																															
SHADY SPRINGS	MAX	71	77	76	80	74	67	70	75	76	80	72	78	77	73	73	72	75	73	73	75	79	81	83	84	87	90	91	92	89	84	81	78.3
	MIN	62	62	62	63	54	47	41	41	41	49	55	60	53	58	44	50	52	47	55	46	47	55	53	56	56	59	59	52	56	55	60	53.2
OCTOBER 1948																															
CHARLESTON KANAWHA APT	MAX	72	78	62	60	53	56	70	62	71	74	66	59	67	61	68	79	69	46	60	53	62	60	56	60	50	61	72	67	73	75	64	64.1
	MIN	56	58	56	50	43	40	39	49	49	48	46	43	40	40	36	44	37	30	26	32	26	40	34	44	37	36	31	40	35	33	39	40.5

See reference notes following Station Index.

DAILY RIVER STAGES

Table 7

River and Station	Flood stage	Day of month																													Highest	Date	Lowest	Date
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				
POTOMAC																																				
HARPERS FERRY	18	9.0	8.0	7.7	6.6	8.0	10.8	8.0	7.5	6.6	6.4	5.2	4.8	4.2	4.1	4.0	4.8	12.5	13.0	10.0	8.7	7.0	8.5	6.4	6.0	5.9	5.0	4.6	4.1	4.0	4.5	10.5	13.0	16	4.0	15+
TYGART																																				
ELKINS	14	3.1	3.1	3.1	3.2	3.7	3.2	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	3.1	8.7	8.9	2.8	3.2	3.2	3.2	3.2	3.2	3.2	3.2	3.1	3.1	3.1	3.1	3.2	3.2	8.9	17	3.1	1+
PHILIPPI	20	8.0	5.7	4.9	5.8	8.3	6.2	6.9	5.9	5.0	4.5	4.1	3.9	3.8	3.9	3.9	17.9	18.6	11.8	6.9	8.3	6.8	5.5	5.1	4.7	4.4	4.1	3.7	4.2	3.7	4.3	7.1	18.6	17	3.7	27+
WEST FORK																																				
WESTON	15	5.3	3.8	3.3	5.3	5.0	4.9	4.5	4.4	4.0	3.4	3.2	3.0	3.3	3.1	4.7	18.1	15.4	7.4	4.4	6.9	5.2	4.1	3.7	3.2	3.1	3.0	3.0	2.6	2.6	3.4	4.6	20.0	16	2.6	28+
MONONGAHELA																																				
BOULT LOCK 15 LOWER	22	11.6	11.7	11.4	11.6	11.8	11.3	11.6	11.3	10.0	9.8	9.5	9.3	9.1	9.1	8.7	20.4	17.4	15.1	13.3	13.8	14.5	13.8	13.2	12.5	11.7	10.5	8.4	8.9	8.7	8.1	8.6	20.7	16	8.7	15+
BOULT LOCK 15 UPPER	22	10.8	10.9	10.7	10.8	10.9	10.6	10.8	10.6	9.7	9.5	9.3	9.0	9.0	9.0	8.6	15.7	14.0	12.8	11.7	12.2	12.5	12.0	11.7	11.3	10.9	10.0	8.1	8.8	8.7	8.9	8.3	15.8	16	8.6	15
MORGANTOWN LOCK 10 LOWER	25	11.9	11.8	11.7	11.7	11.9	11.5	11.8	11.6	10.5	10.1	9.8	9.5	9.5	9.4	8.2	21.2	18.0	15.3	13.4	13.9	14.5	13.8	13.2	12.8	12.1	10.5	8.7	9.3	8.0	8.4	10.0	21.3	16	8.0	29
MORGANTOWN LOCK 10 UPPER	25	10.8	10.8	10.6	10.7	11.0	10.6	10.8	10.6	9.7	9.4	9.3	9.0	9.0	9.0	8.6	16.0	14.2	12.9	11.8	12.1	12.4	12.0	11.6	11.4	10.9	10.0	8.2	8.9	8.6	8.8	8.4	16.1	16	8.6	15+
LITTLE KANAWHA																																				
GLENVILLE	23	6.7	4.9	4.4	9.2	6.5	5.4	6.4	5.3	4.4	3.8f	3.4	3.3	3.2	3.2	10.7	28.7	24.6	11.3	5.9	10.8	7.3	5.4	4.5	4.0	3.8f	3.5f	3.2f	2.9	3.1	3.6	6.0	28.9	16	2.9	28
CRESTON	20	8.8	5.4	4.5	4.7	7.0	5.7	5.1	5.4	4.4	4.0	3.7	3.4	2.9	2.6	7.9	23.6	24.2	17.5	6.5	8.4	8.4	6.0	4.6	4.1	3.2	3.1	3.3	3.1	2.1	3.4	3.9	24.6	16	2.1	29
GAULEY																																				
CAMDEN ON GAULEY	23	5.1	4.3	3.8	9.2	6.3	5.3	4.4	4.1	3.8	3.5	3.1	3.0	2.9	2.7	3.2	10.3	7.8	5.6	5.2	5.2	4.3	3.9	3.6	3.3	3.2	3.1	2.9	2.6	3.0	4.9	4.9	10.6	16	2.6	28
NEW																																				
SINTON	14	4.6	3.4	2.8	4.6	6.6	5.6	4.6	3.5	3.0	2.6	2.3	1.8	1.5	1.4	1.6	7.4		3.8	2.9	2.7	2.7	2.0	2.3	1.9	1.8	1.6	1.5	1.2	1.2	2.1	4.2	7.4	16	1.2	28+
ELK																																				
CLAY	18	6.7	4.9	4.1	6.6	8.1	6.0	5.4	4.9	4.1	3.5	3.0	2.6	2.4	2.3	3.0	11.6	14.6	9.5	6.7	8.6	6.9	5.2	4.3	3.7	3.4	2.8	2.4	2.2	2.2	2.6	6.3	14.6	17	2.2	28+
KANAWHA																																				
KANAWHA FALLS	25	10.0	7.8	6.6	9.1	13.1	11.3	9.7	8.0	6.8	6.0	5.4	4.8	3.9	3.5	4.0	14.9	13.9	10.0	7.7	7.6	7.1	5.2	8.4	5.2	4.6	4.1	3.9	3.3	3.7	4.4	8.2	14.9	16	3.2	28
LONDON LOCKS LOWER	43	16.3	13.4	12.3	14.7	20.3	18.2	15.8	13.9	12.4	11.5	11.0	10.4	9.8	9.2	9.9	22.6	21.9	16.5	13.5	13.5	12.6	10.8	12.2	10.7	10.0	10.0	9.8	9.3	9.3	10.0	13.7	22.6	16	8.2	14
LONDON LOCKS UPPER	43	18.1	18.2	18.2	18.1	18.3	17.9	18.1	18.0	18.0	17.8	17.9	18.0	17.8	17.9	17.9	18.0	17.9	17.9	18.2	18.1	18.3	17.8	17.9	18.1	18.0	17.7	17.7	17.8	18.0	18.0	18.3	18.3	5+	17.7	26+
CHARLESTON	34	14.2	10.8	9.4	11.6	13.6	15.6	13.0	11.0	9.8	8.8	8.6	8.0h	7.2h	7.2	8.0	21.2	22.2	16.8	14.0	12.0	11.0	8.8	9.2	8.2	7.8	7.6h	7.4h	7.4h	7.4h	7.4h	7.4	23.0	16	7.2	13+
GUYANDOT																																				
LOGAN	20	4.5	3.8	3.4	8.0	5.8	4.5	4.0	3.9	3.7	3.4	3.2	3.1	2.9	2.8	2.8	10.0	6.4	5.5	4.6	4.6	4.8	4.3	3.9	3.7	3.5	3.4	3.3	3.3	3.3	4.5	6.9	10.0	16	2.8	14+
TWELVE POLE CREEK																																				
WAYNE	25	6.0	4.3	4.4	8.0	6.7	5.4	5.1	4.6	4.2	4.0	3.7	3.6	3.5	3.4	7.9	12.1	9.3	6.7	7.6	6.7	6.0	5.3	4.7	4.6	4.3	4.0c	3.4	3.5	3.8	4.8	6.0	12.1	16	3.4	14+
OHIO																																				
WHEELING WARWOOD LOWER	36			12.5	12.4	12.5	13.3	12.6	13.4	12.6	11.0	11.2	10.9	11.2	12.4	13.4											12.0	11.4	10.4	10.3	12.4				
WHEELING WARWOOD UPPER	36	14.6	13.4	13.5	15.0	14.7	14.7	15.0	14.7	14.8	14.9	15.5	15.4	15.3	14.9	14.9	15.8	29.2	30.5	23.0	18.1	16.6	15.4	14.3	13.3	12.2	14.9	15.2	15.5	15.5	14.9	14.0	31.6	17	12.2	25
PARKERSBURG WB CITY	36	14.3	13.7	12.2	10.3	11.6	11.6	11.4	11.6	11.5	11.5	11.1	10.9	10.9	11.2	12.5	23.3	27.2	31.3	29.3	23.1	18.5	16.1	14.7	13.3	12.2	11.2	11.5	11.5	11.2	12.0	12.3	31.3	18	10.3	4
RAVENSWOOD DAM 22 LOWER	44				10.3	12.2	13.6	11.2	12.5	12.2	11.3	10.3	9.5	10.7	10.9												11.0	11.6	10.3	10.0	12.3				
RAVENSWOOD DAM 22 UPPER	44	17.7	16.7	15.1h	13.9h	14.4h	14.5h	14.6h	14.5h	14.3h	14.6h	14.9h	14.9h	14.8h	14.5	15.4	27.3	32.5	36.5	36.0	30.1	23.9	19.9	17.9	16.4	15.0h	14.4h	14.6h	15.3h	15.1h	15.0	14.4	37.1	16	13.9	4
POINT PLEASANT	40	27.1	26.0	25.3	24.6	25.9	25.9	25.1	25.8	24.3	24.6	24.2	24.1	24.5	24.5	25.6	30.8	38.2	40.0	38.7	35.4	30.3	26.5	25.6	25.4	25.1	24.4	24.4	23.9	24.5	24.5	25.2	40.0	18	23.9	28
BOGSETT GALLIPOLIS LOWER	50	28.0	25.1	21.7	17.9	21.7	24.8	21.8	18.9	17.6	15.3	12.2	12.3	12.7	13.2	18.6	33.6	41.9	44.4	43.8	40.9	35.8	28.4	23.6	21.6	19.2	15.2	12.6	12.2	12.4	14.2	19.2	44.4	18	12.2	11+
HOGSETT GALLIPOLIS UPPER	35	h17.9	h17.9	h17.9	h17.5	h18.1	h17.7	h17.7	h17.8	h17.8	h18.1	h17.9	h18.1	h18.3	h18.3	h18.1	h18.2	h26.4	h28.7	h21.8	h25.0	h19.8	h17.9	h17.9	h18.1	h18.1	h18.2	h18.1	h17.8	h18.2	h18.0	h17.9	28.7	18	17.8	6+

The following reference notes apply only to Table 7 - Daily River Stages:

Readings are made at approximately 7 a.m. (local time). They are provisional and subject to correction. Final and corrected stages will be published in the annual publication "Daily River Stages - Principal Rivers of the United States".

a Obstructed by rough ice.
b Frozen hut open at gage.
c Upper surface of smooth ice.
d Ice gorge above gage.
e Ice gorge below gage.
f Shore ice.
g Floating ice.
h Pool stage.
i Dry at gage.
j Interpolated.

Daily River Stages will not be published in Climatological Data in the future. They will be published annually in the publication "Daily River Stages - Principal Rivers of the United States".

STATION INDEX

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
ABERDEEN	0012	UPSHUR	WEST FORK	39 03	80 19	1060	EST		4P		24		L ESLE BOND	3
ALDERSON	0102	MONROE	GREENBRIER	37 43	80 39	1550	EST	6P	6P	2	2		JOHN E FOSTER	2 3 5
ALPENA	0143	RANDOLPH	CHEAT	38 55	79 40	3020	EST		8A		14		ARTHUR G ROY	3
ARBOVALE	0249	POCAHONTAS	GREENBRIER	38 26	79 49	2734	EST		8A		25		H S SUTTON	3
ARNOLD	0307	LEWIS	WEST FORK	38 55	80 30	1100	EST		5P				E C GAY	3
ATHENS 1 MI E	0355	MERCER	BLUESTONE	37 25	81 01	2600	EST	6P	6P	3	7		CONCORD COLLEGE	2 3 5
BARTOW	0509	POCARONTAS	GREENBRIER	38 32	70 41	2780	EST	5P	5P		16		U S FOREST SERVICE	2 3 5
BAYARD	0527	GRANT	POTOMAC-N BRANCH	39 16	79 22	2370	EST	7P	7P	45	43		HOWARD R FULK	2 3 5
BECKLEY V A HOSPITAL	0580	RALEIGH	NEW	37 47	81 11	2350	EST	4P	4P	41	41		CORPS OF ENGINEERS	2 3 5
BELINGTON	0633	BARBOUR	TYGART	39 02	79 56	1725	EST		7A		10		GEORGE R HILLYARD	3
BELLEVILLE DAM 20 LOWER	0645	WOOD	OHIO	39 09	81 45	600	EST		7A		31		LOCKMASTER	3
BENSON	0679	HARRISON	TYGART	39 09	80 03	1080	EST	4P	4P	23	23		R D MARTS	2 3 5
BENS RUN	0687	PLEASANTS	OHIO	39 27	81 07	652	EST	7P	7P	47	47		MRS C W REA	2 3 5
BERLIN	0718	LEWIS	WEST FORK	39 03	80 21	1050	EST		8A		2		MRS A P SWISHER	3
BIG SKIN CREEK	0824	LEWIS	WEST FORK	38 57	80 26	1050	EST		6P		8		ALBERT JEWELL	3
BLUEFIELD 1	0918	MERCER	BLUESTONE	37 16	81 13	2590	EST	5P	5P	49	53		NORFOLK & WESTERN RWY	2 3 5
BLUEFIELD 2	0923	MERCER	BLUESTONE	37 16	81 13	2590	EST		7A				OTA C KEENEY	3
BLUESTONE DAM 3 MI S	0939	SUMMERS	BLUESTONE	37 38	80 53	1395	EST	8A	8A	5	5		U S CORPS OF ENGINEERS	2 3 5
BRANCHLAND	1075	LINCOLN	GUYANDOT	38 13	82 12	600	EST		7A		5		VERLIN H ADKINS	3
BRANDONVILLE	1083	PRESTON	CHEAT	39 40	79 37	1798	EST	10A	10A	6	16		JAMES I GALLOWAY	2 3 5
BRANDYWINE	1091	PENDLETON	SOUTH BRANCH-S FORK	38 38	79 14	1586	EST	6P	6P	31	31		MRS MARY M JOSEPH	2 3 5
BROWNSVILLE	1173	LEWIS	WEST FORK	39 03	80 29	1032	EST	4P	4P	24	24		M D HAWKINS	2 3 5
BRUSHY FORK	1196	HARRISON	WEST FORK	39 13	80 13	1030	EST		4P		1		MRS ABBIE PARKS	3
BRUSHY RUN	1204	PENDLETON	POTOMAC-S BRANCH	38 50	79 15	1375	EST		7A		9		JOHN B SHREVE	3
BUCKHANNON	1220	UPSHUR	BUCKHANNON	39 00	80 16	1459	EST	6P	6P	53	57		DR ARTHUR B GOULD	2 3 5
CABWAYLINGO STATE FOREST	1319	WAYNE	TWELVEPOLE CREEK	37 59	82 21	740	EST	6P	6P				FOREST CUSTODIAN	2 3 5
CAIRO 3 MI S	1328	RITCHIE	HUGHES	39 10	81 10	680	EST	6P	6P	42	38		EUREKA PIPE LINE CO	2 3 5
CAMDEN-ON-GAULEY	1363	WEBSTER	GAULEY	38 22	80 38	2029	EST		8A		46		WILLIAM F COMPTON	3 5 7
CANAAN VALLEY	1393	TUCKER	CHEAT	39 03	79 26	3250	EST	6P	6P	3	3		GEORGE B THOMPSON	2 3 5
CHARLESTON-KANAWHA CO AIRPORT	1570	KANAWHA	KANAWHA	38 22	81 36	950	EST		x				CIVIL AERO ADM	3 4
CHARLESTON 1	1575	KANAWHA	KANAWHA	38 21	81 38	615	EST	9A	9A	44	61		W VA WATER SERVICE CO	2 3 5
CHARLESTON 2	1580	KANAWHA	KANAWHA	38 21	81 38		EST		7A				JAMES R WOODFORD	3 7
CHARLESTON 3	1585	KANAWHA	KANAWHA	38 21	81 38	600	EST		MID				WILLIAM KESSLER	3 4
CLARKSBURG-BENEDUM FIELD	1672	HARRISON	WEST FORK	39 17	80 14	1188	EST	MID	x	8	8		U S AIRWAY STATION	2 3 4 5
CLARKSBURG 1	1677	HARRISON	WEST FORK	39 16	80 21	1015	EST	7A	7A	25	31	23	PERKINS BOYNTON	2 3 5 6
CLARKSBURG 2	1682	HARRISON	WEST FORK	39 17	80 20	1000	EST		6P		4		SAMUEL R PERINE	3 4
CLAY 1	1696	CLAY	ELK	38 27	81 05	790	EST		7A		34		PETER H FRANKFORT	7
CLAY 2	1701	CLAY	ELK	38 28	81 04	650	EST		MID				MUNICIPAL WATER PLANT	3 4
COALWOOD	1798	MC DOWELL	TUG FORK	37 23	81 39	1450	EST	5P	5P	5	5		W A MC NEES	2 3 5
COBURN CREEK	1806	HARRISON	WEST FORK	39 15	80 26	1075	EST		5P		2		MISS I M GREATHOUSE	3
CRANBERRY GLADES	2013	POCAHONTAS	GREENBRIER	38 11	80 16	3400	EST	6P	6P	4	4		FEDERAL PRISON CAMP	2 3 5
CRAWFORD	2022	LEWIS	WEST FORK	38 52	80 26	1107	EST		6P		24		MISS BELLE BLAIR	3
CRESTON	2054	WIRT	LITTLE KANAWHA	38 57	81 16	656	EST		7A		47		MRS NELLIE B ARTHUR	3 7
DAILEY	2151	RANDOLPH	TYGART	38 49	79 53	1975	EST		7A		10		LAURA E FULWIDER	3
DAVIS	2209	TUCKER	CHEAT	39 08	79 27	3120	EST		MID		10		MARY DUMAS	3 4
DAVISSON RUN	2217	HARRISON	WEST FORK	39 16	80 24	1000	EST		6P		3		MRS I H ALESTOCK	3
DUCK CREEK	2488	HARRISON	WEST FORK	39 09	80 24	1068	EST		9A		2		MRS A ELEANOR TALBOTT	3
ELK	2701	HARRISON	WEST FORK	39 11	80 14	1000	EST		5P		11		MRS S R HARRISON JR	3
ELKINS 1	2713	RANDOLPH	TYGART	38 53	79 51		EST		7A				D M TYLER	3
ELKINS WB AIRPORT	2718	RANDOLPH	TYGART	38 53	79 51	2006	EST	MID	MID	49	49		U S WEATHER BUREAU	2 3 4 5 7
FAIRMONT	2920	MARION	MONONGAHELA	39 28	80 09	1023	EST	MID	MID	43	56		GLENN L MILLAN	2 3 5
FINK RUN	3024	UPSHUR	BUCKHANNON	39 00	80 16	1420	EST		4P		2		MRS BERTHA M HILL	3
FLAT TOP	3072	MERCER	BLUESTONE	37 35	81 06	3270	EST	MID	1A	10	10		U S AIRWAY STATION	2 3 4 5
FRANKLIN	3215	PENDLETON	POTOMAC- S BRANCH	38 42	79 20	1750	EST		7A		11		DICK B MURPHY	3 4
FREEMANSBURG	3238	LEWIS	WEST FORK	39 06	80 32	1030	EST		MID		10		EDDIE MC INTYRE	3 4
GARY	3353	MC DOWELL	TUG FORK	37 22	81 33	1426	EST	8A	8A	28	31		E F KETTER	2 3 4 5
GLENVILLE 1	3544	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	6P	7A	53	59		FRED W WELLS	2 3 5
GLENVILLE 2	3549	GILMER	LITTLE KANAWHA	38 56	80 50	780	EST	7A			59		MRS KATHLEEN W WELLS	7
GRAFTON	3630	TAYLOR	TYGART	39 21	80 01	1100	EST	6P	6P	53	51		WILLIAM D MYERS	2 3 5
GRANTSVILLE	3648	CALHOUN	LITTLE KANAWHA	38 56	81 06	730	EST	8A	8A	2	2		HOPE NATURAL GAS CO	2 3 5
HACKERS CREEK	3793	HARRISON	WEST FORK	39 08	80 26	1020	EST		5P		11		FOREST ENGELHARDT	3
HALL	3816	BARBOUR	BUCKHANNON	39 03	80 07	1375	EST		MID		9		MRS OPAL R JACKSON	3 4
HAMLIN	3846	LINCOLN	MUD	38 17	82 06	642	EST	8A	8A	5	5		W VA WATER SERVICE CO	2 3 5
HARPERS FERRY	3927	JEFFERSON	POTOMAC	39 19	77 44	400	EST		7A		59		MISS ELEANOR J WHITE	3 7
HARRISON	3935	MINERAL	POTOMAC- N BRANCH	39 22	79 12	1700	EST		8A		8		LEONARD E PAUGH	3
HASTINGS	3974	WETZEL	OHIO	39 33	80 40	809	EST		3P		12		L G MC INTYRE	3
HINTON 1	4170	SUMMERS	NEW	37 40	80 53	1431	EST	7A	7A	50	59		MRS M L MC CLUNG	2 3 5
HINTON 2	4175	SUMMERS	NEW	37 40	80 53		EST						LOCKMSTR LONDON LOCKS	7
HOGSETT GALLIPOLIS DAM LOWER	4200	MASON	OHIO	38 41	82 11	564	EST		7A		10		LOCKMASTER	3 7
HOGSETT GALLIPOLIS DAM UPPER	4201	MASON	OHIO	38 41	82 11		EST						LOCKMASTER	7
HORNER	4281	LEWIS	WEST FORK	38 59	80 22	1075	EST		4P		24		MAPLE H SUMMERS	3
HOULT LOCK 15 LOWER	4309	MARION	MONONGAHELA	39 34	80 08	882	EST		7A		26		LOCKMASTER	3 7
HOULT LOCK 15 UPPER	4310	MARION	MONONGAHELA	39 34	80 08		EST						LOCKMASTER	7
HUNDRED	4369	WETZEL	OHIO	39 41	80 27	1034	EST		MID		10		J A FURBEE	3 4
HUNTINGTON 1	4378	CABELL	OHIO	38 25	82 26	571	EST	6P	6P	51	52		H N ROBINSON	2 3 5
HUNTINGTON 2	4383	CABELL	OHIO	38 25	82 26	600	EST		MID				U S ENGINEERS	3 4
IAEGER	4408	MC DOWELL	TUG FORK	37 28	81 49		EST		7A		1		MRS TINA L TANNER	3
INWOOD	4470	BERKELEY	POTOMAC	39 22	78 03	569	EST	5P	5P	13	14			2 3 5
IRELAND	4478	LEWIS	WEST FORK	38 49	80 28	1142	EST		7A		11		PAUL H LOUDIN	3
ISAACS CREEK	4499	HARRISON	WEST FORK	39 12	80 30	1063	EST		5P		2		MRS C A MOORE	3
JANE LEW	4559	LEWIS	WEST FORK	39 06	80 25	1020	EST		4P		24		MRS RETA GOLDSMITH	3
JESSE RUN	4619	LEWIS	WEST FORK	39 06	80 20	1080	EST		7P		1		WIRT C MYERS	3
KANAWHA FALLS	4727	FAYETTE	KANAWHA	38 07	81 08		EST						LOCKMSTR LONDON LOCKS	7
KAYFORD	4755	KANAWHA	KANAWHA	38 01	81 27	1335	EST		7A		31		TRUAX-TRAER COAL CO	3
KEARNEYSVILLE 1 MI NW	4763	JEFFERSON	POTOMAC	39 23	77 53	548	EST	6P	6P	17	18		UNIVERSITY EXP STA	2 3 5
KERMIT	4816	MINGO	TUG	37 50	82 25	620	EST		7A		23		ROY A DEMPSEY	3
KINGWOOD	4897	PRESTON	CHEAT	39 28	79 42	1890	EST	5P	5P	4	4		TOWN OF KINGWOOD	3

STATION INDEX — Continued

STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
KNOBLY MOUNTAIN	4941	MINERAL	POTOMAC	39 22	79 00	1400	EST		7A		8		DAVID A ARNOLD	3
KUMBRABOW STATE FOREST	4971	RANDOLPH	TYGART	38 35	80 05	3210	EST	5P	5P	8	8		O C HAMILTON	2 3 5
LAKE FLOYD	4994	HARRISON	WEST FORK	39 17	80 30	1110	EST		6P		2		W M BENNETT	3
LAKE LYNN	5002	MONONGALIA	CHEAT	39 43	79 51	900	EST		MID		24		WEST PENN POWER CO	3 4
LAKIN	5010	MASON	OHIO	38 58	82 05	640	EST		MID				W VA AGH EXP FARM	3 4
LE SAGE-GREENBOTTOM	5055	CABELL	OHIO	38 33	82 17	550	EST	8A	8A	10	10		STATE FOREST NURSERY	2 3 5
LEWISBURG	5224	GREENBRIER	GREENBRIER	37 48	80 26	2250	EST	5P	5P	46	52		PROF H B GRAYBILL	2 3 5
LINDSIDE	5284	MONROE	NEW	37 27	80 40	2000	EST		8A		8		MRS K L BALLARD	3
LITTLE SKIN CREEK	5314	LEWIS	WEST FORK	38 58	80 25	1068	EST		6P		2		MRS HOY HAWKINS	3
LIVERPOOL	5323	JACKSON	OHIO	38 54	81 32		EST		MID				BROOKS E UTT	3 4
LOCKNEY	5341	GILMER	LITTLE KANAWHA	38 51	80 58	720	EST		MID				HOPE NATURAL GAS CO	3 4
LOGAN	5353	LOGAN	GUYANDOT	37 51	82 00	700	EST	8A	8A	21	35		J W HUFF	2 3 4 5 7
LONDON LOCKS LOWER	5365	KANAWHA	KANAWHA	38 12	81 22	623	EST	7A	7A	13	13		LOCKMASTER	2 3 5 7
LONDON LOCKS UPPER	5366	KANAWHA	KANAWHA	38 12	81 22		EST						LOCKMASTER	7
MAC FARLAN	5547	RITCHIE	HUGHES	39 05	81 12	670	EST		MID				FRANK P PRIBBLE	3 4
MADISON	5563	BOONE	LITTLE COAL	38 03	81 49	675	EST	8A	8A	26	27		W VA WATER SERVICE CO	2 3 5
MAN	5600	LOGAN	GUYANDOT	37 44	81 53	729	EST		5P		6		RUSSELL E WHITE	3
MANNINGTON 1 MI N	5621	MARION	MONONGAHELA	39 33	80 21	974	EST	6P	6P	46	46		JAMES A MORGAN	2 3 5
MANNINGTON 2	5626	MARION	MONONGAHELA	39 32	80 21	980	EST		8A		2		BENJAMIN S SMITH	3
MARLINTON	5672	POCAHONTAS	GREENBRIER	38 13	80 05	2150	EST		MID				CECIL A CURRY	3 4
MARTINSBURG MUNICIPAL AIRPORT	5707	BERKELEY	POTOMAC	39 24	77 59	545	EST	MID	MID	50	56		CIVIL AERO ADM	2 3 4 5
MATHIAS	5739	HARDY	LOST RIVER	38 52	78 52	1550	EST		MID				VIRGIL L MATHIAS	3 4
MC MECHEN DAM 13 1 MI W	5847	MARSHALL	OHIO	39 59	80 44	646	EST		7A		32		LOCKMASTER	3
MC NEILL 2 MI NE	5855	HARDY	POTOMAC-S BRANCH	39 09	78 54	800	EST	6P	6P	14	14		R E SAVILLE	2 3 5
MIDDLEBOURNE 3 MI SE	5963	TYLER	OHIO	39 29	80 52	750	EST	7A	7A	7	7		LAWRENCE A CRUMRINE	2 3 5
MIDVALE	5984	RANDOLPH	TYGART-MIDDLE FORK	38 56	80 06	1850	EST		7A		10		MRS RUTH G DARNALL	3
MOOREFIELD	6163	HARDY	POTOMAC-S BRANCH	39 04	78 58	800	EST	6P	MID	40	40		HAROLD J DODD	2 3 4 5
MORGANTOWN MUNICIPAL AIRPORT	6202	MONONGALIA	MONONGAHELA	39 38	79 55	1245	EST	MID	MID	2	2		CIVIL AERO ADM	2 3 4 5
MORGANTOWN 1	6207	MONONGALIA	MONONGAHELA	39 38	79 57	1050	EST	6P	6P	54	72		PROF L M PEAIRS	2 3 5
MORGANTOWN LOCK 10 LOWER	6212	MONONGALIA	MONONGAHELA	39 38	79 58	826	EST	7A	7A	26	26		LOCKMASTER	2 3 5 7
MORGANTOWN LOCK 10 UPPER	6213	MONONGALIA	MONONGAHELA	39 38	79 58		EST						LOCKMASTER	7
MOUNT CLARE	6276	HARRISON	WEST FORK	39 13	80 20	1040	EST		6P		11		MISS PAULINE HESS	3
NAOMA 1 MI E	6362	RALEIGH	COAL	37 52	81 30	1125	EST		7A		5		HARLEY C WALKER	3 4
NEW CUMBERLAND DAM 9	6442	HANCOCK	OHIO	40 30	80 37	671	EST	6P	6P	53	50		C O VALENTINE	2 3 5
NEW MARTINSVILLE	6467	WETZEL	OHIO	39 39	80 52	637	EST	6P	6P	55	54		DH Z W ANKROM	2 3 5
OAK HILL	6591	FAYETTE	NEW	37 58	81 09	1950	EST	7A	7A	6	6		MILES H MARTIN	2 3 4 5
OMPS	6674	MORGAN	POTOMAC	39 30	78 17	950	EST		7A		2		MISS MARY O HOVERMALE	3
PARKERSBURG-WOOD CO AIRPORT	6849	WOOD	OHIO	39 21	81 26	837	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
PARKERSBURG WB CITY	6859	WOOD	OHIO	39 16	81 34	615	EST	7A	7A	59	63		U S WEATHER BUREAU	2 3 4 5 7
PARSONS	6867	TUCKER	CHEAT	39 06	79 40	1649	EST	5P	5P	49	49		D A OLIVER	2 3 5
PAW PAW	6876	MORGAN	POTOMAC	39 32	78 28		EST						MISS LILLIAN E HESS	3
PETERSBURG WB CITY	6954	GRANT	POTOMAC-S BRANCH	39 00	79 07	1013	EST	MID	MID	9	9		U S WEATHER BUREAU	2 3 4 5
PHILIPPI	6982	BARBOUR	TYGART	39 04	80 03	1307	EST		7A		55		MRS HELEN M LEACH	3 7
PICKENS 2	6996	RANDOLPH	BUCKHANNON	38 39	80 13	2701	EST		7A		8		MRS ELSIE M ARMSTRONG	3
PIEDMONT	7004	MINERAL	NORTH BRANCH	39 29	79 02	1053	EST	5A	5A	34	33		C A SUTER JR	2 3 5
PINEVILLE	7029	WYOMING	GUYANDOT	37 35	81 32	1350	EST	7A	7A	0	5		WALTER C BYRD	2 3 5
POINT PLEASANT	7105	MASON	OHIO	38 51	82 08	540	EST	4P	7A	54	58		E C WINGER	2 3 5 7
POLK CREEK	7115	LEWIS	WEST FORK	39 03	80 34	1075	EST		5P		2		HOWARD CUNNINGHAM	3
PRINCETON	7207	MERCER	BLUESTONE	37 22	81 05	2410	EST		7A		18		W VA WATER SERVICE CO	3
RAINELLE 1	7306	GREENBRIER	GAULEY	37 55	80 51	2424	EST	6P	6P	17	17		L G SWING	2 3 5
RAINELLE 2	7311	GREENBRIER	GAULEY	37 55	80 51		EST		7A				BLUFORD L WHISMON	CLOSED
RAVENSWOOD DAM 22 LOWER	7352	JACKSON	OHIO	38 57	81 45	584	EST	4P	8A	25	33		LOCKMASTER	2 3 5 7
RAVENSWOOD DAM 22 UPPER	7353	JACKSON	OHIO	38 57	81 45		EST						LOCKMASTER	7
RENICK	7444	GREENBHIER	GREENBRIER	38 00	80 21	1950	EST		7A		32		MARY V MC FERRIN	3
RICHWOOD	7502	NICHOLAS	GAULEY	38 14	80 32	2193	EST	8A	8A	17	17		VIANIS S STOCKWELL	2 3 5
RIGHT FORK OF STONECOAL CREEK	7536	LEWIS	WEST FORK	38 54	80 26	1086	EST		3P		2		CREED H SUMMERS	3
RIPLEY	7552	JACKSON	OHIO	38 49	81 43	610	EST	4P	4P	2	2		H B PARSONS	2 3 5
ROANOKE	7598	LEWIS	WEST FORK	38 56	80 29	1050	EST		4P		24		MISS MARY A CONRAD	3
ROCKFORD	7658	HARRISON	WEST FORK	39 08	80 20	1035	EST		6P		11		CREED FOGG	3
ROHRBOUGH	7718	LEWIS	WEST FORK	38 59	80 30	1036	EST		4P		2		MISS ELAINE CUTRIGHT	3
ROMNEY	7730	HAMPSHIRE	POTOMAC-S BRANCH	39 21	78 45	824	EST	5P	5P	47	46		MARION W HAINES	2 3 5
ROWLESBURG 1	7785	PRESTON	CHEAT	39 21	79 40	1375	EST	7A	7A	6	63		WALTER H BOLYARD	2 3 5
ROWLESBURG 2	7790	PRESTON	CHEAT	39 21	79 40	1375	EST		6A				LAKE LYNN OPERATOR	3
SALEM	7883	HARRISON	WEST FORK	39 17	80 34	1047	EST	6P	6P	2	10		MISS LOIS M JONES	2 3 5
SAND FORK	7901	LEWIS	WEST FORK	38 54	80 25	1088	EST		5P		2		MRS J E WEIDLICH	3
SENECA STATE FOREST	8051	POCAHONTAS	GREENBRIER	38 18	79 56	2650	EST	5P	5P	7	7		FOREST CUSTODIAN	3
SHADY SPRINGS	8083	RALEIGH	NEW	37 42	81 03	2750	EST	5P	5P	7	7		C T KESSINGER	2 3 5
SHINNSTON	8145	HARRISON	WEST FORK	39 23	80 18	910	EST		6P		10		MRS HARDIN H HARMER	3
SMITHBURG	8274	DODDRIDGE	OHIO	39 17	80 44	769	EST		MID		7		CHARLES F LOGSDON	3 4
SPENCER	8384	ROANE	LITTLE KANAWHA	38 48	81 21	789	EST	8A	8A	48	49		A M MC KOWN	2 3 5
SPRINGFIELD	8409	HAMPSHIRE	POTOMAC-S BRANCH	39 26	78 43	700	EST		7A		8		HARRY L GRACE	3 4
SPRUCE KNOB	8432	PENDLETON	POTOMAC-S BRANCH	38 42	79 32	4550	EST		7A		16		MOSES R BENNETT	3
STONY RIVER DAM	8536	GRANT	POTOMAC-S BRANCH	39 08	79 18	3300	EST	8A	8A		28		FRED BECKER	2 3 5
SUGARCAMP RUN	8580	LEWIS	WEST FORK	38 50	80 25	1180	EST		R		2		MRS BESSIE GREINER	3
SUMMERSVILLE	8608	NICHOLAS	GAULEY	38 17	80 51	1900	EST	8A	8A	12	12		ALLEN E DOHSEY	2 3 4 5
SUTTON	8652	BRAXTON	ELK	38 40	80 42	900	EST	4P	4P	45	45		C B EAKLE	2 3 5
SUTTON 1 MI E	8657	BRAXTON	ELK	38 40	80 42	900	EST	MID					W E DUNCAN	3 4
SYCAMORE CREEK	8699	HARRISON	WEST FORK	38 14	80 25	1000	EST		6P		3		MRS GAY DAVISSON	3
TERRA ALTA 1	8777	PRESTON	CHEAT	39 27	79 31	2559	EST	6P	6P	47	37		HOPEMONT SANATARIUM	2 3 5
TERRA ALTA 2	8782	PRESTON	CHEAT	39 27	79 32	2620	EST		MID		10		B F MC CONNELL	3 4
THOMAS	8807	TUCKER	CHEAT	39 09	79 30	3000	EST		7A		19		WILLIAM SLEEMAN	3
TRIADELPHIA	8924	MASON	KANAWHA	38 41	81 50	630	EST		MID				NORMA RUTH CASTO	3 4
TYGART DAM	8986	TAYLOR	TYGART	39 19	80 02	1200	EST		MID		10		FRED E FLOYD	3 4
UNION	9011	MONROE	GREENBRIER	37 36	80 32	2200	EST	7A	7A	44	43		MRS THELMA F SPANGLER	2 3 4 5
UPPER DAVISSON RUN	9036	HARRISON	WEST FORK	39 16	80 26	1084	EST		5P		2		MRS A VANSCOY	3
UPPER SYCAMORE CREEK	9044	HARRISON	WEST FORK	39 14	80 27	1074	EST		7A		1		O A POST	3
VALLEY CHAPEL	9072	LEWIS	WEST FORK	39 06	80 24	1011	EST	4P	4P	24	24		HOSCOE H JACKSON	2 3 5

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STATION	INDEX NO.	COUNTY	DRAINAGE	LAT. ° ′	LONG. ° ′	ELEV. (FT.)	TIME OF OBSERVATION: ZONE	TIME OF OBSERVATION: TEMP.	TIME OF OBSERVATION: PRECIP.	YEARS OF RECORD: TEMP.	YEARS OF RECORD: PRECIP.	YEARS OF RECORD: EVAP.	OBSERVER	REFER TO TABLES
VALLEY HEAD	9086	RANDOLPH	TYGART	38 33	80 02	2425	EST		MID		10		KENT SWECKER	3 4
VANDALIA	9104	LEWIS	WEST FORK	38 56	80 24	1120	EST		6P		24		MISS MARY LEE HORNOR	3
VIENNA-BRISCOE 2 MI N	9168	WOOD	OHIO	39 21	81 32	634	EST	5P	5P	1	6		G J DICKEY	2 3 5
WARDENSVILLE R M FARM	9281	HARDY	CACAPON	39 06	78 34	1200	EST	9A	9A	30	29	8	UNIVERSITY EXP STA	2 3 5 6
WASHINGTON DAM 19	9309	WOOD	OHIO	39 16	81 42	600	EST		7A		31		LOCKMASTER	3
WAYNE	9321	WAYNE	TWELVEPOLE CREEK	38 13	82 26	598	EST		7A		23		MRS B F FERGUSON	3 7
WEBSTER SPRINGS	9333	WEBSTER	ELK	38 29	80 25	1560	EST	6P	6P	13	14		ROSCOE GREGORY	2 3 4 5
WELLSBURG 3 MI NE	9368	BROOKE	OHIO	40 19	80 35	668	EST	6P	6P	48	55		GEORGE P PFISTER	2 3 5
WEST MILFORD	9428	HARRISON	WEST FORK	39 12	80 24	979	EST		4P		22		SCOTLAND G HIGHLAND	3
WESTON	9436	LEWIS	WEST FORK	39 02	80 28	1026	EST	7A	7A	25	57		J ARTHUR HENRY	2 3 5 7
WHEELING-OHIO COUNTY AIRPORT	9487	OHIO	OHIO	40 11	80 38	1190	EST	MID	MID				CIVIL AERO ADM	2 3 4 5
WHEELING WARWOOD DAM 12 LOWER	9492	OHIO	OHIO	40 06	80 42	659	EST	8A	8A	40	64		LOCKMASTER	2 3 5 7
WHEELING WARWOOD DAM 12 UPPER	9493	OHIO	OHIO	40 06	80 42		EST						LOCKMASTER	7
WHITE SULPHUR SPRINGS 1 MI W	9522	GREENBRIER	GREENBRIER	37 48	80 18	1914	EST	5P	5P	35	34		GREENBRIER HOTEL	2 3 5
WILLIAMSON	9605	MINGO	TUG FORK	37 40	82 17	673	EST	8A	8A	46	47		NORFOLK & WESTERN RWY	2 3 5
WINFIELD LOCKS	9683	PUTNAM	KANAWHA	38 32	81 52	571	EST	7A	7A	10	10		LOCKMASTER	2 3 5
YAWKEY	9805	LINCOLN	MUD	38 14	81 58		EST		MID				EMMETT W VALENTINE	3 4

NEW STATIONS

BERKELEY SPRINGS	0710	MORGAN	POTOMAC	39 37	78 14	640	EST	6P	6P				HENRY M RUPPENTHAL III	2 3 5
PICKENS 1	6991	RANDOLPH	BUCKHANNON	38 40	80 13	2695	EST	7P	7P				ALEXANDER W EWING	2 3 5
ST MARYS	7875	PLEASANTS	OHIO	39 23	81 12	635	EST		9A				H N TAYLOR	3
EAST RAINELLE 1 SE	2638	GREENBRIER	GAULEY	37 58	80 45		EST		7A				MR FLAVIUS E BROWN	3

REFERENCE NOTES

The four digit identification numbers in the index number column of the Station Index are assigned on a state basis. There will be no duplication of numbers within a state.

Stations appearing in the Index, but for which data are not listed in the tables, are either missing or received too late for inclusion in this issue.

Delayed data and corrections will be carried only in the June and December issues of this bulletin.

Data in Tables 3, 5 and 6 are for the 24-hours ending at time of observation. See the Station Index for observation time.

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F., precipitation and evaporation in inches, river stages in feet, and wind movement in miles.

- \- No record.
- \+ And also on later dates.
- * Amount included in following measurement, time distribution unknown.
- // Gage is equipped with windshield.
- 6 No recording gage, precipitation is measured at 6-hourly intervals.
- m One or more days of record missing; see Table 5 for detailed daily record.
- r Station equipped with recording gage only. All amounts in Table 3 are from the non-recording gages, except for stations with this reference.
- x Daily precipitation totals in Table 3 are for the 24-hours ending at 1:30 A.M., E.S.T., of the following day.
- z Hourly amounts from the recording gage at the same site may be found in Table 4.
- T Trace, an amount too small to measure.

When hourly precipitation is accumulated over a period of 3 or more calendar days, with unknown hourly or daily distribution, the first and last days are shown in Table 4.

When hourly precipitation is missing for several days, only the first and last days are shown in Table 4.

Data in Table 4 were formerly published in the Hydrologic Bulletins for North Atlantic District and Ohio River District. Amounts in this table are from recording gages. Traces are not shown.

Subscription Price: 15¢ per copy; $1.50 a year. (Yearly subscription includes Annual Summary. Correspondence regarding subscriptions should be addressed to the Weather Records Processing Center, Federal Building, Albany 1, N.Y.)

W. R. P. C., Albany, N. Y. - - - 3-15-49 - - - 975

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U. S. DEPARTMENT OF COMMERCE
CHARLES SAWYER, Secretary
WEATHER BUREAU
F. W. REICHELDERFER, Chief

1949
UNIVERSITY OF ILLINOIS

CLIMATOLOGICAL DATA

WEST VIRGINIA

ANNUAL SUMMARY 1948

Volume LVI No. 13

ALBANY: 1949

WEST VIRGINIA, 1948

V. T. Horn, Section Director - Parkersburg

GENERAL SUMMARY

The outstanding weather events during the year were: (1) local floods throughout the State in February, (2) frosts of March and April that greatly reduced yields of fruit, (3) a major flood on the Ohio River during April and (4) a tornado with path through Doddridge County and into Harrison County on May 2.

A major flood on the Ohio River and its tributaries occurred between the 13th and 18th of April. The crest at Parkersburg was 47.87 feet (11.87 feet above flood stage). Damage was heavy, the total for West Virginia being estimated at about $4,895,000, based, in large part, on data supplied by the U.S. Corps of Engineers and American Red Cross.

In February, from the 13th to 15th, the melting of a high water-content snow cover of from 4 to 10 inches plus a rainfall of light to moderate amounts caused flood and near flood conditions in most parts of the State. The West Fork River at Clarksburg made the highest stage of record with a crest of 10.23 feet. Seven deaths throughout the State were attributed to the high waters. Total damage was estimated at $305,000.

On the 27th of March, cherries, peaches and some plums were in bloom only to be caught by the freezes of the 28th and 29th. Further killing frosts on April 4th and 10th did heavy damage to apple and pear blooms.

On May 2nd, a tornado tore a path through Doddridge County into Harrison County. The death toll was reported as from 4 to 6 persons; property damage was estimated at $250,000 or slightly more.

Temperatures averaged unusually low in January which was the fifth coldest January of record. April was the second warmest in the recorded climatic history of the State. For the year, temperatures averaged practically normal.

Ample precipitation was had all year; only January, August and October averaged below normal, but the deficiencies in moisture were slight. The excess of precipitation for the 12 months was over seven inches. ---C.L.W.

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ACKNOWLEDGMENTS

In addition to the climatological data from some 6,000 Weather Bureau and cooperative weather stations, this bulletin series contains records from Hydroclimatic Network stations which were formerly reproduced in the Hydrologic Bulletin Series. The Hydroclimatic Network is a nationwide net of rain gages- mostly of the recording type which produce continuous records of precipitation. It was established in 1939 at the request of the Corps of Engineers, Department of the Army, to supplement existing precipitation stations in order to provide records of rainfall intensity which were essential to the planning of flood control and related work by the Corps of Engineers. This Network, now numbering about 2,000 recording, and 1,000 non-recording rain gages, has been maintained by the Weather Bureau through working funds transferred annually to the Weather Bureau by the Corps of Engineers. These transfers averaged about $250,000 per year between 1940 and 1944 and nearly $375,000 since that date. For the years 1940-42, the Department of Agriculture transferred about $100,000 per year to provide data required in its work and since 1947 the Bureau of Reclamation has transferred about $25,000 per year to meet the increasing needs of their program in the Eastern States.

Previous to the introduction of this bulletin series, data from Hydroclimatic Network stations were presented in bulletins (Hydrologic Bulletins) which were issued monthly for each of 8 drainage areas embracing the entire United States, but since the Network was established to meet the internal requirements of the Federal agencies referred to above, no provision was made for public dissemination of the data, distribution being limited to cooperating agencies and to certain public repositories. A list of locations where reference copies of the Hydrologic Bulletin Series are available for inspection may be obtained upon application to Chief, U.S. Weather Bureau, Washington 25, D.C.

Many other records published in this bulletin have been made available through the cooperation of various public offices, private agencies, and individuals as listed in the Station Index.

AVERAGE TEMPERATURES AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure	Temp	Departure
ALDERSON	30.3	-	38.4	-	47.8	-	59.1M	-	61.8M	-	70.6	-	72.8M	-	71.6	-	65.4	-	-	-	-	-	-	-	-	-
ATHENS	26.4	-	37.8	-	46.4M	-	56.4	-	59.4	-	67.1	-	70.4	-	67.9	-	62.9	-	50.7	-	47.8	-	37.7	-	52.6	-
BAYARD	20.4	-8.4	30.9	1.3	42.0	5.7	51.1	7.4	55.2	-1.2	63.6	0.1	66.2	-1.4	64.8	-1.0	58.3	-2.6	46.3	-2.9	42.7	3.6	31.9	3.8	47.8	0.3
BECKLEY V A HOSPITAL	25.0	-8.4	37.7	3.0	47.3	4.7	57.0	6.8	59.8	-0.1	68.8	1.4	71.2	0.0	68.8	-0.7	62.0	-2.1	49.4	-5.0	47.0	3.7	38.7M	-4.2	52.8	0.7
BENSON	24.7	-9.4	37.7	-0.3	48.4	8.1	58.0	5.4	63.3	2.5	71.2	3.0	74.2	1.7	72.4	1.9	-	-	52.8	-0.1	47.9	4.8	38.4	2.2	-	-
BENS RUN	24.8	-8.1	36.0	3.2	48.4	4.9	58.8	6.0	62.2M	-0.8	73.0	2.2	77.0	1.9	74.7	1.1	68.5	0.1	53.0	-3.6	49.6	5.5	39.1	4.3	55.4	1.4
BERKELEY SPRINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	47.8	-	36.3	-	-	-
BLUEFIELD NO 1	28.0	-6.9	39.7M	4.9	48.8	4.4	59.2M	5.6	61.6	0.0	70.1	0.0	73.6	2.0	70.6	0.1	65.2	-1.0	53.1	-2.6	48.5	3.6	39.4	2.5	54.7	0.9
BLUESTONE DAM 3 S	26.7	-	37.6	-	47.4	-	59.2	-	63.0	-	72.4	-	76.0	-	74.6	-	68.2	-	53.4	-	49.0	-	38.3	-	55.5	-
BRANDONVILLE	19.0	-	29.8	-	42.4	-	53.2	-	56.6	-	64.6	-	69.2	-	67.8	-	62.0	-	48.3	-	44.4	-	33.9M	-	49.7	-
BRANDYWINE	26.2	-4.7	34.6	-0.1	45.2	3.8	-	-	-	-	69.2M	2.2	-	-	70.2	0.3	62.0M	-2.7	-	-	47.8M	5.8	37.1M	2.9	-	-
BROWNSVILLE	25.7M	-8.9	39.5M	1.9	49.4	7.5	59.3	7.0	62.4	0.8	71.6	2.1	73.5	-0.3	72.6	0.4	65.8	-1.8	51.8	-2.8	49.1	4.5	38.6M	2.0	55.0	1.1
BUCKHANNON	23.7	-8.8	36.0	2.9	46.8	4.9	56.9	5.8	59.6	-1.5	68.4	0.0	71.8	0.0	69.6	-0.3	63.6	-0.9	50.1	-3.7	47.4	5.2	37.0	2.8	52.6	0.6
CABWAYLINGO STATE FRST	-	-	-	-	-	-	-	-	-	-	-	-	-	-	72.6	-	-	-	52.8M	-	49.7	-	40.2	-	-	-
CAIRO 3 S	22.7	-11.7	34.8	-0.6	48.6	4.2	57.8	3.8	60.8	-2.3	70.8	-0.5	73.3	-1.0	71.7	-0.8	67.2	-0.9	51.3	-4.5	49.1	5.4	37.3M	2.6	53.8	-0.3
CANAAN VALLEY	20.4	-	30.0	-	42.2	-	51.6	-	54.4	-	63.0	-	65.8	-	62.2	-	57.5	-	45.8	-	43.1	-	32.4	-	47.8	-
CHARLESTON KANAWHA AP	25.4	-	38.9	-	49.4	-	59.6	-	61.8	-	71.6	-	74.9	-	-	-	-	-	52.3	-	49.4	-	39.1	-	-	-
CHARLESTON NO 1	25.0	-12.9	38.2	-1.0	49.4	2.0	60.2	3.9	63.0	-2.4	72.8	-0.3	76.6	-0.3	75.5	0.2	69.0	-1.9	54.1	-4.8	49.8	1.9	41.1	1.5	56.2	-1.2
CLARKSBURG BENEDUM FLD	21.7	-	34.5M	-	45.8	-	55.6	-	58.8	-	68.4	-	72.2	-	69.8	-	-	-	-	-	-	-	-	-	-	-
CLARKSBURG NO 1	21.4	-11.2	33.6	-1.0	45.2	5.5	56.2	5.0	60.2	-0.1	69.6	0.2	73.2	-0.6	70.9	-1.1	64.1	-3.4	50.2	-3.2	45.4	2.6	36.0	30.8	52.2	-0.5
COALWOOD	28.3	-	41.3	-	50.0	-	-	-	-	-	71.2	-	75.1	-	73.0	-	67.5	-	53.8	-	50.5	-	40.6	-	-	-
CRANBERRY GLADES	27.2	-	35.3	-	41.0	-	50.0	-	53.2	-	61.6	-	64.0	-	66.6	-	58.0	-	45.7	-	42.4	-	32.9	-	48.2	-
CRESTON	20.8	-13.3	35.2	0.5	45.8	1.8	56.5	3.1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
ELKINS WB AIRPORT	21.7	-8.3	34.5	3.4	44.9	5.8	54.6	7.2	57.7	0.0	66.4	0.8	69.6	-0.2	67.8	-0.5	61.7	-0.2	48.6	-2.5	45.0	5.7	35.2	3.5	51.6	2.2
FAIRMONT	23.3	-0.8	35.6	2.5	47.0	5.5	56.8	5.0	60.5	-1.6	70.4	0.1	74.0	-0.3	72.6	-0.1	66.4	-1.0	51.6	-3.5	47.9	5.0	37.0	3.0	53.6	0.5
FLAT TOP	21.0	-8.4	33.8	3.2	42.2	3.2	51.9	2.8	55.4	-2.0	64.4	-0.6	67.7	0.7	64.8	-1.0	60.6M	-1.7	47.3	-5.2	43.6	3.6	34.4	2.7	48.9	-0.3
GARY	26.4	-8.7	39.6	1.7	47.8	5.3	58.4	5.0	62.0	0.9	70.2	0.9	74.0	0.9	71.8	-0.2	66.6M	-1.9	52.1M	-3.5	48.7	3.7	39.0	1.2	54.7	0.4
GLENVILLE NO 1	25.2	-8.6	38.1	3.5	49.3	4.6	59.6	5.7	62.0	-1.6	71.4	0.3	74.4	-0.9	72.7	-1.2	66.1	-2.4	51.8	-4.4	49.5	5.2	39.6	3.7	55.0	0.4
GRAFTON	23.1	-9.5	35.4	2.8	46.1	4.6	56.0	4.5	59.1	-2.4	68.6	-0.5	72.1	-0.5	70.1	-1.3	63.6	-3.5	49.6	-5.6	46.6	3.5	36.1	1.9	52.2	-0.5
GRANTSVILLE	23.5	-	37.2M	-	48.8	-	58.8	-	62.5	-	71.9	-	75.2	-	74.5	-	67.6	-	53.0	-	47.4	-	38.3	-	54.9	-
HAMLIN	23.1	-	36.4	-	48.6	-	58.4	-	61.0	-	71.2	-	74.9M	-	72.4	-	66.2M	-	51.1M	-	47.2	-	38.1	-	54.0	-
HASTINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	50.1	-	46.3	-	36.1	-	-	-
HINTON NO 1	29.6	-4.9	39.2	3.7	48.3	4.2	60.4M	7.2	63.4	0.0	72.8	2.3	76.6	2.2	74.2	0.9	68.0	0.0	53.9	-3.1	49.3	5.2	39.0	3.2	56.3	1.8
HUNTINGTON NO 1	28.0	-6.0	40.4	5.7	51.5	6.5	61.6	7.0	64.6	-0.1	74.4	1.5	78.3	1.7	76.0	1.2	70.8	1.8	54.7	-1.7	51.8	7.5	41.6	6.0	57.9	2.7
INWOOD	25.8	-6.2	34.1	0.4	47.1	4.9	55.6	4.3	62.6	0.1	72.2	1.0	76.4	1.7	72.6	0.0	67.6	1.1	-	-	-	-	-	-	-	-
KEARNEYSVILLE 1 NW	26.0	-7.9	33.6	-0.3	46.2	4.2	55.1	3.8	62.4	-1.0	71.2	-0.7	75.6	-0.5	73.0	-1.3	66.4	-1.1	53.3	-1.6	49.5	4.5	36.4	1.1	54.1	0.0
KINGWOOD	-	-	-	-	45.2	-	54.6	-	-	-	-	-	-	-	-	-	-	-	-	-	46.6	-	-	-	-	-
KUMBRABOW STATE FRST	20.7	-	33.0	-	42.0	-	51.9	-	53.7	-	61.9	-	65.7	-	62.7	-	58.3	-	46.5	-	42.7	-	33.2M	-	47.7	-
LE SAGE GREENBOTTOM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	74.8	-	69.8M	-	51.9M	-	-	-	41.1M	-	-	-
LEWISBURG	25.4	-7.0	36.4	3.1	45.8	3.7	57.0	6.5	59.6	-0.5	68.2	1.0	71.2	0.2	69.4	0.0	63.2	-1.1	51.2	-0.2	46.8	4.9	35.6	2.4	52.5	0.9
LOGAN	27.2	-11.8	40.5	1.0	50.8	3.7	61.4	4.1	64.5	-2.5	73.8	0.2	77.2	1.2	75.5	0.5	70.2M	-3.8	54.7	-5.4	50.7	3.4	41.0	1.9	57.3	-0.3
LONDON LOCKS	25.4	-11.4	38.2	0.8	47.8	3.0	58.8	3.3	61.3	-2.9	72.0	-1.3	75.1	-0.4	73.5	-2.0	68.0	-1.0	54.4M	-4.5	50.2M	5.0	42.4M	4.8	55.6	-0.5
MADISON	25.6	-9.0	38.9	2.3	49.2	6.5	60.3	6.0	62.6	-1.2	72.6	0.3	76.3	1.5	74.4	0.0	68.9	1.2	54.0	-1.6	49.0	5.5	39.6	4.6	56.0	1.2
MANNINGTON 1 N	21.9	-10.0	34.8	2.0	46.8	4.5	56.6	5.5	61.2	0.8	70.1	2.3	73.6	1.8	72.8	2.6	65.7	0.8	51.9	-1.7	47.8	5.8	36.8	3.2	53.3	1.4
MARTINSBURG MUNIC AP	24.4	-6.6	32.7	-1.3	44.6	3.0	52.6	1.0	61.0	-1.8	70.7	-0.3	74.9	-0.8	72.6	-0.4	65.8	-1.1	52.1	-2.6	47.3	4.1	35.2	1.2	52.8	-0.3
MC NEILL 2 NE	26.2	-4.8	32.9	0.6	44.4	3.4	56.4	4.6	60.4	0.2	69.7	1.9	72.4	0.8	70.4	-0.9	63.4	-2.4	51.9	-2.2	-	-	36.4	3.8	-	-
MIDDLEBOURNE 2 ESE	22.6	-	35.2	-	47.6	-	56.6	-	60.6	-	70.4	-	74.0	-	72.2	-	65.2	-	51.6M	-	48.3M	-	37.9	-	53.6	-
MOOREFIELD	26.6	-	35.0	-	49.4	-	57.8	-	62.3	-	72.3	-	75.0	-	72.8	-	65.6	-	53.3	-	49.0	-	36.9M	-	54.7	-
MORGANTOWN MUNIC AP	22.7	-	35.1	-	46.2	-	55.8	-	59.4	-	69.2	-	73.0	-	70.9	-	65.6	-	50.7	-	48.3	-	36.4	-	52.8	-
MORGANTOWN NO 1	25.6	-6.7	37.6	4.8	49.3	7.2	59.3	7.6	61.2	-0.9	70.3	1.0	74.4	0.9	72.0	0.0	67.8	0.3	52.5	-2.7	49.5M	5.5	37.1	2.7	53.9	0.8
MORGANTOWN LOCK 10 L	23.2	-	34.2	-	46.2	-	56.4	-	60.9	-	70.0	-	74.1	-	72.6	-	66.0	-	53.9	-	51.7	-	39.6	-	54.5	-
NEW CUMBERLAND DAM 9	22.2	-6.4	32.8	3.7	44.6	5.2	55.4	6.2	59.9	-0.3	69.2	1.0	74.6	1.6	72.6	1.8	68.6	3.1	-	-	48.3	6.7	35.7	4.0	-	-
NEW MARTINSVILLE	24.4	-8.7	36.0	2.5	47.8	4.5	57.8	4.7	62.3	-0.7	72.1	1.0	75.7	0.5	74.6	0.9	68.2	-0.3	52.6	-4.2	48.9	4.1	37.7	2.4	55.3	1.0
OAK HILL	23.2	-	35.2	-	44.8	-	56.3	-	59.3M	-	69.2	-	71.8	-	69.4	-	63.6	-	49.1	-	47.2	-	38.1	-	52.3	-
PARKERSBURG WOOD CO AP	-	-	-	-	-	-	-	-	-	-	71.2	-	75.0	-	72.9	-	67.4	-	51.4	-	48.3	-	37.6	-	-	-
PARKERSBURG WB CITY	24.4	-8.1	36.6	2.4	48.3	5.5	58.5	5.1	62.2	-1.6	72.2	0.8	75.9	0.5	73.5	-0.4	68.2	0.9	52.4	-3.7	49.4	5.6	38.3	3.1	55.0	0.8
PARSONS	23.8	-10.7	35.0	3.3	46.2	5.7	55.8	6.6	56.8	-2.0	68.0	1.1	71.2	0.4	70.0	0.6	63.8	0.1	50.7	-0.8	47.4	6.2	36.6	4.3	52.5	1.6
PETERSBURG WB CITY	25.6	-	34.2	-	47.4	-	55.8	-	61.6	-	70.6	-	73.8	-	70.2	-	65.0	-	51.9	-	47.2	-	37.5	-	53.5	-
PICKENS NO 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	32.2M	0.0	-	-
PIEDMONT 1 SE	26.2	-4.7	33.6	-0.2	45.6	4.4	56.3	5.9	61.6	1.6	70.0	1.9	73.2	0.9	71.6	1.1	65.8	0.1	-	-	46.3	4.1	36.6	3.6	-	-
PINEVILLE	23.3	-	38.3	-	46.9	-	57.5	-	60.8	-	70.1	-	75.1	-	71.1	-	66.0	-	50.9M	-	46.3	-	37.5	-	53.6	-
POINT PLEASANT	26.8	-7.3	37.9	4.5	50.2	5.0	60.7	5.8	63.5	-1.2	74.1	1.7	77.2	0.8	74.7	0.0	70.7	4.8	54.2	-3.0	51.1	5.8	40.7	4.9	56.8	1.8
RAINELLE NO 1	24.0	-8.4	35.6	2.1	43.8M	4.5	57.0	8.8	57.8M	-0.3	69.8	4.3	-	-	67.8	-0.5	-	-	48.6M	-2.2	45.2	4.9	35.3	2.1	-	-
RAVENSWOOD DAM 22 L	24.2	-11.2	38.4	-0.4	49.4	6.1	59.0	5.2	62.4	0.5	71.8	1.3	75.4	0.3	73.2	0.3	68.2	-1.2	52.5	-3.8	50.1	4.4	39.6	1.7	55.1	0.0
RICHWOOD	32.6	-1.9	-	-	40.4	0.4	-	-	55.2M	-5.0	65.8	-2.6	68.9	-2.9	66.6	-3.8	60.6	-4.1	-	-	47.6	5.2	39.1	4.0	-	-
RIPLEY	22.4M	-	37.1M	-	48.0	-	59.3M	-	62.4M	-	71.8	-	75.6	-	73.4	-	68.0	-	51.2M	-	49.6M	-	38.8	-	54.8	-
ROMNEY	26.8	-4.7	35.0	0.8	47.0	4.6	55.9	4.2	61.2	-1.7	69.9	0.0	73.8	-1.1	71.2	-1.4	64.6	-2.2	51.9	-3.0	48.2	5.1	38.2M	3.7	53.6	0.3
ROWLESBURG	21.8	-	33.1	-	44.0	-	53.8	-	58.9	-	68.2	-	71.8	-	69.9	-	64.6	-	52.0	-	47.2	-	35.6	-	52.2	-
SALEM	-	-	35.6M	-	47.9M	-	-	-	60.4M	-	-	-	74.0	-	-	-	66.1M	-	50.5M	-	-	-	36.1M	-	-	-
SHADY SPRINGS	21.1	-	33.7	-	-	-	53.4	-	56.0	-	64.4M	-	-	-	65.8	-	61.0	-	47.6	-	44.7	-	-	-	-	-
SPENCER	22.0	-11.7	35.8	0.6	48.9	6.0	57.0	5.0	60.8	-1.2	67.3	-2.4	73.6	0.0	71.4	-0.9	65.9	-0.6	51.1	-3.8	48.8	4.7	38.0	1.5	53.5	-0.2
SUMMERSVILLE	18.4	-	33.4	-	43.6	-	52.6	-	-	-	-	-	-	-	-	-	61.5	-	46.6	-	45.1	-	35.3M	-	-	-
SUTTON	26.4	-7.9	38.5	2.4	49.6	5.4	59.6	6.8	62.1	-1.2	71.5	0.2	74.6	-0.2	74.2	1.1	67.8	-0.9	53.3	-3.4	49.4	5.4	39.8	4.6	55.6	1.1
TERRA ALTA NO 1	-	-	-	-	-	-	50.0	3.2	-	-	-	-	65.8M	-2.4	-	-	58.4	-3.5	-	-	42.3M	1.7	-	-	-	-
UNION	23.6	-9.7	33.9	-1.3	43.5	0.1	55.0	3.2	59.4	-1.5	67.4	-0.4	71.4	-0.2	68.8	-1.4	63.2	-2.9	49.0	-5.4	45.5	3.1	35.0	1.0	51.4	-1.2
VALLEY CHAPEL	25.6	-9.5	38.4	-0.1	50.4	7.9	61.4	8.3	64.4	2.8	71.9	2.3	76.0	2.0	73.8	1.3	67.8	-0.2	53.7	-1.7	49.9	4.9	39.5M	2.0	56.1	1.7
VIENNA BRISCOE 2 N	-	-	-	-	-	-	-	-	-	-	70.3M	-	75.0M	-	73.8	-	69.2M	-	53.4	-	49.5M	-	38.9M	-	-	-
WARDENSVILLE R M FARM	23.0	-7.8	31.3M	-2.5	44.8M	2.9	52.9	3.3	59.0	-0.4	69.4	3.9	72.0	1.4	69.6	0.1	63.0	-1.2	50.1	-2.5	46.7	2.8	34.5M	0.8	51.3	0.0
WEBSTER SPRINGS	27.2	-	39.6	-	49.2	-	58.8	-	60.8	-	69.2	-	73.0	-	70.4	-	64.8	-	52.6	-	50.4	-	40.1	-	55.1	-
WELLSBURG 3 NE	22.0	-8.2	32.4	2.4	44.6	4.8	56.1	6.5	60.8	0.6	69.4	1.4	74.0	1.8	72.5	2.2	65.4	0.5	50.6	-2.9	46.6	4.8	35.8	3.4	52.6	1.5
WESTON	-	-	34.5	0.6	46.2	2.4	57.0	4.2	60.8	-1.9	70.4	0.0	74.2	-0.2	73.0	0.3	65.8	-1.5	52.4	-3.1	48.3	4.3	38.3	2.5	-	-
WHEELING OHIO CO AP	-	-	-	-	-	-	-	-	59.4	-	-	-	73.9	-	71.6	-	65.2	-	49.6	-	47.0	-	34.7	-	-	-
WHEELING WARWOOD DAM 12	22.3	8.1	31.8	-0.3	43.8	3.3	55.9	4.3	59.6	-2.2	70.4M	-0.2	74.5	-0.3	73.2	0.4	66.4	-1.0	51.8	-3.1	47.2	5.0	36.9	4.3	52.8	0.2
WHITE SULPHUR SPRINGS	26.8	-5.3	37.8	2.3	46.0	3.4	57.6	6.2	60.2	-0.3	68.2	0.2	72.4	0.8	70.7	0.4	65.6	0.7	52.6	0.2	47.4	5.3	36.8	3.7	53.5	1.5
WILLIAMSON	27.6	-8.4	41.0	3.6	50.6	3.9	60.9M	5.4	64.6M	-0.4	73.6	1.0	77.1	1.0	75.2	0.4	69.2	-0.5	54.9	-2.9	50.8	5.2	41.5	3.9	57.3	1.1
WINFIELD LOCKS	24.2	-	36.0	-	47.6	-	58.0	-	61.8	-	72.4	-	76.4	-	74.4	-	68.7	-	53.8	-	49.3	-	39.7	-	55.2	-

See reference notes following Station Index

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
ABERDEEN	4.23	.83	4.67	1.57	4.85	1.66	8.41	2.61	5.01	1.14	5.50	1.14	7.08	2.29	5.82	1.34	5.02	1.71	1.80	-1.74	4.48	1.14	8.19	3.19	61.06	16.88
ALDERSON	-	-	-	-	4.53	-	6.65	-	4.62	-	3.90	-	-	-	-	-	2.74	-	-	-	-	-	-	-	-	-
ALPENA	4.63	-	-	-	8.47	-	8.11	-	-	-	6.81	-	8.95	-	5.34	-	5.96	-	2.00	-	3.12	-	-	-	-	-
ARBOVALE							4.93	1.71	5.15	1.74	5.52	1.77	3.03	- .71	4.61	.30	3.27	.74	2.37	- .27	4.06	.98	4.18	1.02	-	-
ARNOLD	3.52	-	4.45	-	-	-	-	-	-	-	-	-	7.58	-	4.17	-	5.01	-	1.41	-	5.16	-	6.53	-	-	-
ATHENS	2.14	-	3.03	-	4.73	-	4.17	-	2.53	-	4.64	-	3.51	-	6.73	-	1.39	-	1.62	-	5.11	-	5.12	-	44.72	-
BARTOW	-	-	-	-	-	-	4.70	1.56	-	-	3.61	-1.12	3.22	-1.56	6.05	.81	4.33	1.31	2.33	- .99	-	-	5.08	1.88	-	-
BAYARD	4.03	- .47	4.06	.56	5.06	.55	4.83	.99	7.74	3.44	5.06	- .07	7.46	3.22	4.09	- .29	3.17	- .14	2.86	- .40	3.60	.60	7.05	3.21	59.01	11.20
BECKLEY V A HOSPITAL	1.43	-2.24	3.56	- .61	5.14	1.37	4.50	1.02	3.35	- .28	6.15	1.74	2.88	-1.50	5.13	1.29	3.08	.54	2.68	- .30	4.34	1.75	6.75	3.44	48.99	6.22
BELINGTON	3.67	-	5.17	-	5.53	-	5.44	-	4.57	-	6.25	-	7.83	-	3.11	-	5.37	-	2.22	-	4.35	-	5.64	-	59.15	-
BELLEVILLE DAM 2	3.23	- .39	3.08	.32	4.47	.76	7.69	4.45	3.21	- .25	3.73	- .26	6.34	2.41	2.17	-1.62	5.76	3.17	2.16	- .59	4.54	1.94	4.86	1.72	51.24	11.68
BENSON	4.37	.76	4.28	57	3.71	.25	6.69	3.48	3.69	- .24	4.86	.55	7.54	2.39	2.17	-2.28			1.71	-1.85	4.24	.75	5.93	2.44	-	-
BENS RUN	3.59	- .39	2.84	- .27	3.11	- .93	7.11	3.55	3.79	- .21	4.77	.55	5.46	.93	4.34	.10	2.01	- .58	3 01	- .01	4 13	1.24	4.17	.61	48.33	4.59
BERKELEY SPRINGS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.56	-	4.99	-	-	-
BERLIN	3.03	-	5.42	-	-	-	5.58	-	4.74	-	6.74	-	6.55	-	5.74	-	5.07	-	-	-	4.63	-.	6.29	-	-	-
BIG SKIN CREEK	3.79	-	4.34	-	4.17	-	4.84	-	6.07	-	5.73	-	7.87	-	4.54	-	6.36	-	1.40	-	4.64	-	6.08	-	59.83	-
BLUEFIELD NO 1	2.06	- .95	3.76	.83	4.97	1.85	5.28	2.17	2.60	- .52	3.97	- .26	1.88	-2.19	4.11	.50	1.41	- .91	1.68	-1.09	4.55	2.50	-	-	-	-
BLUEFIELD NO 2	3.13	-	4.89	-	5.45	-	5.76	-	3.71	-	5.67	-	2.98	-	3.98	-	1.75	-	2.12	-	4.92	-	4.59	-	48.95	-
BLUESTONE DAM 3 S	1.89	-	3.48	-	4.66	-	5.73	-	2.58	-	4.89	-	1.50	-	4.00	-	3.46	-	1.90	-	3.75	-	4.85	-	42.69	-
BRANCHLAND	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.16	-	2.47	-	1.39	-	5.58	-	3.94	-	-	-
BRANDONVILLE	4.91	.45	4.53	1.01	3.31	- .87	6.80	3.06	5.15	.51	6.68	1.80	7.73	2.47	3.19	-1.42	2.87	- .97	3.11	- .81	4.63	1.32	5.85	1.83	58.76	8.38
BRANDYWINE	1.64	- .70	-	-	3.81	1.34	-	-	-	-	2.98	- .90	2.81	- .76	6.98	3.40	-	-	-	-	3.35	1.57	3.05	.95	-	-
BROWNSVILLE	3.46	- .13	4.76	1.69	4.60	1.13	5.13	1.77	4.38	.15	6.27	1.96	8.22	3.42	3.30	- .97	6.12	-2.37	1.28	-2.14	4.62	.95	5.62	2.30	57.76	7.76
BRUSHY FORK	-		3.33	-	3.98	-	5.84	-	4.80	-	5.32	-	7.56	-	3.57	-	3.37	-	1.73	-	4.10	-	5.41	-	-	-
BRUSHY RUN	1.76	-	1.99	-	3.51	-	3.83	-	3.55	-	3.34	-	3.99	-	2.50		3.99	-	3.09	-	3.53	-	3.58	-	38.66	-
BUCKHANNON	3.64	- .76	4.98	1.22	5.91	1.40	5.27	1.38	5.76	1.33	6.40	1.69	7.93	3.21	7.88	3.79	5.39	2.43	1.73	-1.41	4.48	1.38	6.20	2.02	65.57	17.68
CABWAYLINGO STATE FRST	-	-	-	-	-	-	-	-	-	-	-	-	5.47	-	2.10	-	1.60	-	1.89	-	5.40	-	4.17	-	-	-
CAIRO 3 S	4.38	.43	3.49	.52	3.52	- .30	9.92	6.46	5.14	1.72	3.80	- .71	4.48	.06	2.25	-1.62	4.67	1.87	1.38	-1.54	4.36	1.48	4.87	1.42	52.26	9.79
CAMDEN ON GAULEY	2.62	- .84	4.76	1.77	3.70	- .74	6.23	2.46	5.49	.20	6.51	1.44	9.30	4.39	7.58	2.09	2.79	- .57	1.75	-1.27	4.53	.89	6.38	2.24	61.64	12.06
CANAAN VALLEY	3.25	-	6.76	-	4.85	-	4.93	-	6.95	-	5.11	-	6.46	-	3.81	-	3.88	-	3.30	-	3.30	-	-	-	-	-
CHARLESTON KANAWHA AP	2.83	-	2.81	-	3.51	-	6.46	-	3.39	-	3.89	-	6.91	-	3.51	-	2.68	-	2.31	-	4.32	-	4.57	-	47.19	-
CHARLESTON NO 1	2.45	-1.58	3.28	- .03	3.11	-1.39	6.43	2.56	3.21	- .57	3.25	-1.14	5.51	.73	3.83	- .64	2.65	- .33	1.45	-1.59	5.18	2.11	3.29	- .35	43.64	- 2.22
CHARLESTON NO 3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.94	-	2.25	-	1.82	-	3.82	-	3.61	-	-	-
CLARKSBURG BENEDUM FL	4.22	-	2.94	-	5.29	-	6.70	-	4.97	-	5.75	-	6.02	-	3.48	-	-	-	-	-	-	-	-	-	-	-
CLARKSBURG NO 1	4.13	.82	3.62	.58	3.68	.66	7.13	3.76	3.60	.08	5.26	.99	6 73	2.65	4.12	- .36	3.44	- .16	1.52	-1.61	3.31	.12	4.72	1.64	51.26	12.39
CLARKSBURG NO 2	4.09	-	3.73	-	4.26	-	6.87	-	4.15	-	5.08	-	6.74	-	4.26	-	3.26	-	2.00	-	3.78	-	4.98	-	53.20	-
CLAY	2.26	-1.42	2.14	-1.12	1.87	-2.28	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.43	1.53	7.29	3.79	-	-
CLAY NO 2	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.14	-	1.92	-	3.76	-	4.89	-	-	-
COALWOOD	2.95	-	4.17	-	5.73	-	-	-	-	-	8.62	-	4.43	-	2.38	-	2.13	-	2.01	-	4.39	-	5.48	-	-	-
COBURN CREEK	3.08	-	2.90	-	4.18	-	7.18	-	3.62	-	4.85	-	7.75	-	2.08	-	-	-	1.59	-	4.06	-	6.01	-	-	-
CRANBERRY GLADES	1.46	-	1.95	-	6.46	-	6.78	-	5.96	-	4.30	-	6.03	-	5.27	-	5.16	-	3.90	-	6.57	-	5.44	-	59.28	-
CRAWFORD	3.62	.14	4.94	1.62	5.03	.70	5.15	.92	4.35	- .14	8.06	3.29	8.08	2.94	4.96	.38	5.65	1.91	1.70	-1.79	4.60	.96	6.28	2.69	62.42	13.62
CRESTON	5.85	1.92	4.04	.85	3.66	- .44	6.43	2.77	-	-	5.33	.95	5.23	1.01	3.10	-	4.59	-	2.16	- .99	4.84	2.09	6.24	2.77	-	-
DAILEY	2.55	-	4.24	-	4.90	-	4.83	-	3.81	-	4.93	-	5.54	-	6.51	-	3.88	-	2.07	-	3.90	-	5.47	-	52.63	-
DAVIS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.44	-	3.09	-	3.29	-	3.71	-	6.61	-	-	-
DAVISSON RUN	4.36	-	3.74	-	4.06	-	7.12	-	4.23	-	5.04	-	8.73	-	2.57	-	3.58	-	2.27	-	3.28	-	5.35	-	54.33	-
DUCK CREEK	4.07	-	4.60	-	3.71	-	5.99	-	4.80	-	4.65	-	7.25	-	3.54	-	4.41	-	1.64	-	3.51	-	5.41	-	53.58	-
EAST RAINELLE 1 5E	2.31	-	4.02	-	4.97	-	5.23	-	-	-	2.68	-	-	-	-	-	-	-	-	-	-	-	6.22	-	-	-
ELK	4.94	-	4.05	-	4.14	-	-	-	7.87	-	4.91	-	8.28	-	4.49	-	3.66	-	1.30	-	4.02	-	5.53	-	-	-
ELKINS WB AIRPORT	3.46	- .32	4.06	.86	5.47	1.67	5.41	1.79	4.51	.46	6.00	.94	8.33	2.95	3.66	- .20	5.03	1.88	2.75	- .16	3.55	.77	5.71	2.25	57.94	12.89
FAIRMONT	4.35	.42	2.70	- .32	4.17	.20	6.79	3.52	3.45	- .43	3.42	- .99	7.10	2.70	3.31	- .69	2.49	- .46	2.17	- .94	3.07	.31	4.15	.66	47.17	3.98
FINK RUN	5.64	-	5.26	-	6.03	-	5.45	-	6.23	-	5.54	-	6.93	-	7.93	-	5.55	-	1.83	-	4.86	-	6.35	-	67.60	-
FLAT TOP	3.15	- .04	4.02	.84	5.99	2.09	5.54	2.52	3.59	.00	6.11	.95	3.48	-1.79	2.67	-1.52	1.88	-1.34	2.05	- .22	4.63	2.19	6.44	3.42	49.55	7.10
FRANKLIN	1.65	-	2.14	-	3.09	-	-	-	3.29	-	3.73	-	3.38	-	4.46	-	4.36	-	3.24	-	3.75	-	3.17	-	-	-
FREEMANSBURG	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-	6.27	-	1.72	-	2.91	-	4.56	-	-	-
GARY	2.52	- .93	3.96	.82	4.77	- .61	4.90	1.41	2.96	-1.01	5.27	.20	2.74	-2.19	4.09	- .02	2.60	- .39	1.81	-1.09	3.82	1.12	5.10	1.73	44.54	- .96
GLENVILLE NO 1	4.27	- .16	4.59	1.02	4.41	.12	6.64	2.88	4.56	.44	6.95	2.56	9.12	4.25	2.10	-2.13	3.17	- .05	1.46	-1.75	4.46	1.41	5.66	2.63	57.39	11.22
GRAFTON	4.16	.59	3.89	.98	5.23	1.47	6.71	3.42	5.33	1.65	6.82	2.69	8.68	4.60	1.83	-1.88	2.90	.29	2.00	- .96	3.79	1.36	6.06	2.98	57.40	17.19
GRANTSVILLE	3.85	-	3.86	-	4.94	-	6.73	-	4.28	-	6.34	-	7.68	-	3.33	-	3.27	-	1.61	-	4.63	-	5.33	-	55.85	-
HACKERS CREEK	-	-	3.87	-	4.63	-	5.76	-	4.31	-	5.10	-	7.49	-	3.79	-	3.80	-	2.12	-	4.18	-	5.04	-	-	-
HALL	4.06	-	5.16	-	5.22	-	4.19	-	4.35	-	5.40	-	7.69	-	4.60	-	5.93	-	1.83	-	4.05	-	6.48	-	58.96	-
HAMLIN	1.63	-	3.68	-	2.53	-	7.28	-	3.19	-	2.10	-	4.48	-	2.92	-	3.05	-	1.50	-	5.79	-	4.20	-	42.35	-
HARPERS FERRY	3.18	.47	1.37	- .89	3.23	.18	4.88	1.63	6.58	3.14	3.27	- .38	2.88	- .62	4.68	.69	2.81	.15	5.66	2.40	5.28	3.09	4.56	1.95	48.38	11.81
HARRISON	3.91	-	2.71	-	3.83	-	4.47	-	3.86	-	4.00	-	3.42	-	3.39	-	3.88	-	2.86	-	3.38	-	5.25	-	44.96	-
HASTINGS	4.35	.59	3.60	.34	3.85	- .62	7.46	3.45	5.71	1.08	5.24	- .38	7.65	2.86	3.68	-1.45	3.18	.18	2.46	- .85	4.56	1.70	5.23	1.61	56.97	8.51
HINTON NO 1	2.24	-1.02	3.14	.25	4.82	.92	5.61	2.41	2.14	-1.41	5.63	1.33	2.05	-2.02	5.23	1.07	3.33	.64	1.63	-1.20	4.36	1.95	5.97	2.79	46.15	5.71
HOGSETT GALLIPOLIS DAM	3.17	- .67	3.05	.12	4.02	.14	7.68	3.41	1.79	-1.89	3.94	- .09	5.22	1.34	1.91	-1.25	1.55	- .63	1.96	- .67	4.79	2.11	4.42	1.16	43.50	3.08
HORNER	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.26	- .62	5.44	1.91	1.57	-2.12	4.79	1.00	4.35	.82	-	-
HOULT LOCK 15	4.15	.93	3.31	.32	3.85	.71	7.28	3.99	3.63	.03	5.15	1.16	6.31	2.38	4.44	.31	2.78	- .41	2.08	-1.16	3.90	.61	5.08	1.95	51.96	10.82
HUNDRED	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.38	-	2.41	-	2.06	-	3.65	-	3.84	-	-	-
HUNTINGTON NO 1	3.29	- .50	3.36	.28	3.45	- .77	7.03	3.52	3.41	- .56	2.74	-1.49	3.17	-1.13	1.51	-2.19	1.75	- .70	2.30	- .22	5.29	2.77	4.24	.87	41.54	- .12
HUNTINGTON NO 2	-	-	-	-	-	-	6.61	-	3.44	-	2.40	-	-	-	1.04	-	2.04	-	2.61	-	4.38	-	4.17	-	-	-
JACKS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.67	-	2.29	-	4.04	-	5.08	-	-	-
INWOOD	2 83	.71	1.10	-1.15	3.02	.01	4.24	1.24	4.85	1.56	2.68	-1.20	2.02	-1.53	2.59	-1.34	3.48	.25	-	-	-	-	-	-	-	-
[illegible]LAND	2.92	-	4.36	-	4.89	-	4.67	-	4.95	-	7.26	-	9.86	-	1.44	-	5.21	-	-	-	-	-	5.41	-	-	-
[illegible]AA CREEK	4.66	-	4.04	-	4.49	-	7.01	-	4.66	-	5.16	-	8.29	-	2.95	-	3.46	-	1.93	-	3.25	-	4.38	-	54.28	-
[illegible]ANE 1 E	3.91	.65	4 35	1.58	4.14	.88	6.05	2.40	3.79	- .81	5.81	1.74	7.20	2.26	3.17	-1.65	4.00	.76	1.67	1.67	4.29	.97	5.05	1.97	53.43	12.42
[illegible]ON SUM	4.48	-	4.03	-	4.23	-	5.11	-	4.54	-	6.39	-	5.57	-	3.84	-	4.40	-	1.70	-	4.34	-	5.00	-	53.63	-
KANAWHA			4 71	1.27			7 97	3.91	4.44	.04	4.45	- .74	2.68	-2.49	2.88	-1.95	3.55	.17	2.10	-6.19	3.15	.00	4.42	.51	-	-
[illegible]SVILLE 1 NW	2 75	- 03	1.26	-1.10	2.87	- .65	4.52	1.24	5.92	2.43	3.60	- .03	1.95	-1.24	4.48	.73	3.25	- .08	5.11	1.85	4.34	1.74	5.17	2.76	45.22	7.62
[illegible]	2 09		4.70		3.15		-	-	4.10	-	5.80	-	6.22	-	2.18	-	1.54	-	1.58	-	5.25	-	4.75	-	-	-
[illegible]	-	-	-	-	4.52	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	4.11	-	-	-	-	-
[illegible]	2 32		1.83	-	3.45		5.12	-	5 22	-	5.00	-	3.27	-	2.66	-	3.42	-	3.35	-	3.91	-	4.39	-	43.94	-
[illegible]	5 38		6 57	-	6.01		6.64	-	6.47	-	5.66	-	6.71	-	6 45	-	6.42	-	2.65	-	6.23	-	6.90	-	72.09	-
[illegible]	1 70		3 92	-	4 51		8.06	-	5.41	-	4.91	-	7.33	-	2.64	-	4.66	-	1.90	-	4.03	-	5.62	-	57.69	-
[illegible]	-	-	1 19	-	2 52	-	6.54	-	3.51	-	-	-	3.73	-	4.20	-	2.44	-	2.28	-	2.92	-	4.13	-	-	-
[illegible]							-	-	-	-	-	-	-	-	1.75	-	3.68	-	2.29	-	3.74	-	4.81	-	-	-
[illegible]							6.59	-	3.06		4.18	-	-	-	1.78	-	1.93	-	1.87	-	5.09	-	4.76	-	-	-
[illegible]	2 07	1 28	3 50	71	3.68	04	5.83	2.51	4 49	1.13	4.83	.89	1.82	-2.07	3.80	- .15	1.97	- .72	1.80	-1.20	4.71	2.23	5.64	2.73	44.34	4.82
[illegible]	1 93				4.80		3.62	-	8.05	-	5.33	-	4.94	-	2.12	-	1.74	-	4.45	-	4.42	-	-	-	-	-
[illegible]	1 59	-	5 73	-	5 03	-	4.98	-	4.87	-	6.23	-	6.70	-	4.11	-	6.45	-	1.73	-	4.91	-	6.31	-	60.64	-
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.54	-	4.01	-	2.18	-	3.89	-	4.38	-	-	-
[illegible]	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17	-	3.33	-	1.57	-	3.62	-	4.85	-	-	-
[illegible]	2 14	1 86	4 65	1 15	3 50	-1.22	8.03	3.87	4.08	- .03	6.10	1.21	4.82	- .11	2.62	-1.87	1.92	-1.23	1.55	-1.50	4.71	1.48	4.51	.41	49.02	.28
[illegible]	2 79	43	4.59	1 34	3 53	63	6.33	3 02	3.92	.59	3.21	1.09	7.05	1.11	4.15	- .14	4.16	1.51	1.75	-1.17	4.17	1.26	4.88	1.67	50.47	7.04
[illegible]															2.55	-	3.83	-	-	-	6.33	-	5.27	-	-	-
[illegible]	2 38	1 50	4 01	78	3 23	- 95	8 44	2 60	4 34	.01	6.88	2.72	3.92	-1.41	3 33	- .49	2.20	-1.26	1.38	-1.25	4.57	1.92	3.78	.88	46.68	2.05
[illegible]	-	-	-	-	2 89	-	8 80	-	-	-	5 15	-	5.58	-	1.06	-	3.12	-	1.96	-	3.62	-	-	-	-	-
[illegible]	4 [illegible]	49	3 71	81	4 33	30	8.61	4 91	5 42	1.41	5 00	.72	7.71	2.92	2.59	-1.49	2.73	- .66	2.18	- .99	3.73	.69	5.65	2.08	56.17	11.09
[illegible]									-	-	-	-	-	-	2.50	-	2.81	-	1.84	-	3.45	-	5.23	-	-	-
[illegible]															4 42	- .26	3.23	.22	2.25	- .74	4.75	1.81	5.67	1.77	-	-
[illegible] APT	1 [illegible]	54	1 17	1 25	3 35	09	3 28	.17	4 98	1 59	2.89	1 25	1 64	-1 98	4.09	.03	3.33	.41	4.89	1.82	3.64	1.39	5.02	2.26	41.33	3.84
[illegible]															4.71	-	4.03	-	3.95	-	3.75	-	3.48	-	-	-
[illegible]	1 40	75	2 32	- 11	4 39	96	4 73	1.41	3 49	07	3 08	.75	3.71	- .65	3 00	- .37	4 43	1.45	2.90	.21	3.49	1 11	3.33	.35	41.27	2.95
[illegible]	1 [illegible]	08	1 18	95	3 18	59	2 92	04	4 15	.92	3 25	35	4.89	1.86	-	-	3.41	1.13	3.46	1.15	3.02	1.47	4.12	2.06	-	-

See reference notes following Station Index

TOTAL PRECIPITATION AND DEPARTURES FROM NORMAL

Station	January		February		March		April		May		June		July		August		September		October		November		December		Annual	
	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure	Precip	Departure
MIDDLEBOURNE 2 ESE	3.46	-	2.73	-	2.67	-	8.62	-	3.99	-	4.67	-	6.68	-	3.95	-	-	-	2.61	-	3.91	-	3.87	-	-	-
MIDVALE	3.87	-	5.90	-	5.19	-	5.90	-	4.52	-	7.29	-	8.41	-	5.06	-	5.62	-	1.95	-	5.12	-	6.43	-	65.26	-
MOOREFIELD	2.24	-	-	-	-	-	-	-	-	-	3.45	-	4.05	-	4.37	-	3.05	-	3.18	-	2.82	-	3.35	-	-	-
MORGANTOWN MUNIC APT	3.73	-	2.88	-	3.71	-	6.43	-	3.61	-	7.64	-	6.37	-	4.53	-	1.90	-	2.44	-	3.68	-	4.67	-	51.59	-
MORGANTOWN NO 1	4 05	.59	2.83	.27	2.84	- .55	6.76	3.61	4.36	.66	8.10	3.86	5.19	1.11	6.09	2.08	2.55	- .32	2.47	- .68	3.26	.73	4.39	1.29	52.89	12.65
MORGANTOWN LOCK 10 L	3 65	.46	3.26	.39	3.45	- .32	7.07	3.60	3.84	- .23	6.74	2.40	4.90	.82	5.46	1.40	2.41	-1.11	2.32	- .25	4.02	.87	4.76	1.34	51.88	9.37
MOUNT CLARE	4.20	-	-	-	4.18	-	6.34	-	5.28	-	5.41	-	7.22	-	4.24	-	3.14	-	1.97	-	3.72	-	4.36	-	-	-
NAOMA 1 E	-	-	-	-	-	-	-	-	-	-	4.94	-	-	-	4.78	-	-	-	-	-	4.15	-	-	-	-	-
NEW CUMBERLAND DAM 9	2 35	- .49	2.47	.03	3 11	- .13	6.79	3.51	3.90	.50	6.55	2.00	4.05	- .03	4.89	1.50	2.69	- .22	3.40	.68	3.15	.83	2.71	- .05	46.06	8.13
NEW MARTINSVILLE	3.51	- .47	2.99	.15	4.20	.41	7.17	3.67	3.82	- .15	5.68	1.57	9.70	5.21	3.82	- .07	2.57	- .46	2.74	- .38	3.53	.69	4.67	1.11	54.40	11.28
OAK HILL	2.56	-	4.91	-	3.35	-	4.18	-	3.96	-	4.42	-	4.44	-	7.12	-	3.33	-	2.31	-	4.34	-	6.14	-	51.06	-
OMPS	2.60	-	-	-	-	-	-	-	4.32	-	4.28	-	1.35	-	2.45	-	3.80	-	5.33	-	-	-	4.24	-	-	-
PARKERSBURG WOOD CO AP	-	-	-	-	-	-	-	-	-	-	5.08	-	4.50	-	3.37	-	2.90	-	2.56	-	3.47	-	4.26	-	-	-
PARKERSBURG WB CITY	3.58	.00	3.45	.22	4.02	.53	6.75	3.56	2.79	- .59	4.66	.66	6.46	2.17	2.89	- .62	5.11	2.35	2.29	- .19	3.67	1.10	3.74	.71	49.41	9.90
PARSONS	3.71	- .90	5.45	1.93	5.53	1.32	4.98	1.22	6.30	2.17	5.43	.44	7.05	1.96	2.83	-1.22	3.44	.29	2.27	-1.00	3.93	1.00	6.68	2.63	57.60	9.84
PETERSBURG WB CITY	2.13	-	1.89	-	5.17	-	3.69	-	4.45	-	2.85	-	5.57	-	2.51	-	3.35	-	2.91	-	3.22	-	3.77	-	41.51	-
PHILIPPI	4.50	.36	4.73	1.55	4.48	.34	4.81	1.09	6.92	2.65	5.95	1.26	8.79	4.06	4.07	- .17	3.81	.51	1.95	-1.19	4.43	1.50	5.80	2.03	60.24	13.99
PICKENS NO 1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5.66	1.44	8.72	3.34	-	-
PICKENS NO 2	4.55	-1.77	7.34	2.25	6.17	.26	8.22	3.03	7.59	2.34	5.80	.00	7.66	1.62	8.18	2.71	8.23	4.13	2.73	-1.31	5.98	1.76	8.54	3.16	80.99	18.18
PIEDMONT 1 SE	2.98	40	2.29	- .05	4.17	1.19	5.72	2.72	4.58	.93	4.70	.70	5.01	1.53	2.53	-1.06	3.91	1.50	2.80	.15	3.59	1.70	4.97	2.56	47.25	12.27
PINEVILLE	2.65	-	5.24	-	5.70	-	6.55	-	3.22	-	5.60	-	4.11	-	2.88	-	1.86	-	2.40	-	4.02	-	5.36	-	49.59	-
POINT PLEASANT	3.14	- .81	3.36	.21	4.49	.40	7.19	3.88	2.37	-1.62	3.28	- .80	7.43	3.29	1.95	-1.26	2.66	.25	2.19	- .62	5.23	2.40	4.76	1.26	48.05	6.58
POLK CREEK	4.24	-	4.68	-	4.48	-	5.63	-	5.05	-	7.02	-	9.08	-	3.68	-	6.39	-	1.33	-	4.35	-	5.64	-	61.57	-
PRINCETON 1 SW	1.49	-	2.62	-	3.72	-	4.53	-	2.83	-	4.26	-	2.32	-	8.19	-	1.71	-	2.01	-	4.02	-	4.46	-	42.16	-
RAINELLE NO 1	3.47	- .74	5.10	.89	6.48	.93	5.51	1.32	5.36	.89	4.10	-1.00			6.18	.40	3.68	.56	3.95	1.34	6.07	3.08	7.14	3.61	-	-
RAVENSWOOD DAM 22 L	3.24	- .36	4.25	1.28	3.41	- .48	6.80	3.64	2.67	-1.04	3.78	- .36	6.38	2.36	1.70	-1.65	3.86	1.56	1.67	-1.12	4.62	1.90	4.32	1.00	46.70	6.73
RENICK	2.51	-	3.69	-	5.55	-	5.79	-	4.09	-	5.88	-	3.78	-	4.55	-	3.80	-	2.31	-	5.58	-	6.25	-	53.78	-
RICHWOOD	-	-	-	-	3.96	-1.54	5.66	1.78	5.61	.91	4.99	-.10	5.46	-1.38	5.74	.58	-	-	-	-	3.62	.73	5.27	1.78	-	-
RIGHT FK OF STONECOAL	3.96	-	5.42	-	5.32	-	4.84	-	3.94	-	6.59	-	6.10	-	5.28	-	5.34	-	1.64	-	4.84	-	6.12	-	59.39	-
RIPLEY	4 30	-	3.43	-	4.41	-	6.61	-	3.19	-	4.89	-	5.90	-	1.90	-	2.91	-	2.38	-	4.61	-	4.83	-	49.36	-
ROANOKE	3.25	- .35	4.29	.91	4.68	1.06	4.31	.73	4.69	.33	7.74	3.43	7.92	3.03	4.53	.19	5.55	2.15	1.43	-1.99	4.80	1.43	5.60	2.23	58.79	13.15
ROCKFORD	3.85	-	4.30	-	4.32	-	5.94	-	5.58	-	5.33	-	8.15	-	3.73	-	4.27	-	1.61	-	4.34	-	5.34	-	56.76	-
ROHRBOUGH	3.52	-	4.81	-	4.80	-	4.88	-	4.44	-	7.14	-	9.18	-	3.03	-	6.42	-	1.43	-	4.24	-	5.50	-	59.39	-
ROMNEY	2 66	.27	1.61	- .29	2.99	.13	4.19	1.22	2.78	- .75	2.82	-1.00	4.54	1.06	3.61	.00	3.75	1.07	3.81	1.26	3.55	1.77	3.83	1.58	94.01	40.63
ROWLESBURG NO 1	4.50	- .41	4.33	.68	4.32	- .53	6.52	2.33	6.47	1.84	6.42	1.05	10.44	5.24	5.85	1.32	2.99	- .49	1.83	-2.52	4.00	.45	7.37	2.99	65.04	11.95
ST MARYS	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.91	1.11	3.97	.63	-	-
SALEM	4.60	-	3.27	-	4.16	-	8.16	-	5.74	-	4.68	-	7.24	-	-	-	4.46	-	1.97	-	-	-	6.77	-	-	-
SAND FORK	3.92	-	5.41	-	4.85	-	5.17	-	3.89	-	7.44	-	10.50	-	3.16	-	5.63	-	1.59	-	4.95	-	6.04	-	62.55	-
SHADY SPRINGS	2.52	-	2 35	-	-	-	7.79	-	3.37	-	5.38	-	-	-	5.89	-	2.94	-	2.19	-	4.44	-	-	-	-	-
SHINNSTON	3.67	-	3.37	-	5.21	-	7.68	-	3.90	-	5.43	-	7.42	-	2.87	-	3.44	-	2.92	-	4.52	-	4.65	-	55.08	-
SMITHBURG	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3.44	-	3.48	-	1.86	-	2.53	-	3.58	-	-	-
SPENCER	3.73	- .28	5.10	1.95	3.53	- .54	7.65	4.26	4.67	1.02	2.77	-1.74	7.10	2.86	3.20	- .77	2.59	- .29	2.08	-1.08	4.54	1.87	4.85	1.44	51.81	8.70
SPRINGFIELD	2.65	-	1.67	-	2.14	-	4.14	-	3.33	-	2.57	-	2.00	-	2.86	-	4.21	-	3.57	-	3.39	-	4.06	-	36.59	-
SPRUCE KNOB	2.48	- .54	3.32	.56	6.09	2.21	-	-	5.89	.80	4.96	.33	4.21	-1.16	6.45	.80	7.51	4.14	2.01	-1.32	3.71	1.33	4.83	2.44	-	-
STONY RIVER DAM	2.34	- .47	4.37	1.52	4.61	1.26	4.73	.98	6.13	1.53	4.67	.65	7.38	3.24	5.46	.88	3.63	.85	3.25	.05	3.32	.37	5.14	1.90	55.03	12.76
SUGARCAMP RUN	3 77	-	5.10	-	4.48	-	5.82	-	4.66	-	6.99	-	9.26	-	4.08	-	6.16	-	1.73	-	5.09	-	6.41	-	63.55	-
SUMMERSVILLE	2.32	-1.69	3.55	.23	4.60	- .08	5.46	2.25	-	-	-	-	-	-	-	-	2.79	- .67	2.01	-1.38	-	-	4.69	1.31	-	-
SUTTON	2.46	-2.08	6.69	3.25	4.96	.62	5.41	1.56	5.44	1.08	5.54	.58	6.81	1.48	4.78	.53	3.83	.48	1.72	-1.27	4.84	1.64	3.09	- .73	55.57	7.14
SYCAMORE CREEK	4.33	-	3.98	-	3.32	-	8.12	-	4.08	-	4.97	-	6.98	-	2.77	-	3.73	-	1.70	-	3.24	-	4.24	-	51.46	-
THOMAS	4.37	.39	6.23	2.67	5.91	.80	5.72	1.54	7.67	2.42	4.91	- .20	8.24	1.75	3.63	-1.46	3.06	- .94	2.42	-1.82	4.05	1.06	7.79	3.94	64.00	10.15
TRIBBLE	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.17	-	4.45	-	4.46	-	-	-
TYGART DAM	-	-	-	-	-	-	-	-	-	-	-	-	-	-	2.92	-	2.48	-	2.29	-	3.31	-	5.55	-	-	-
UNION	1.74	-1.41	3.41	.56	4.70	1.15	4.49	1.60	3.01	- .19	6.89	2.90	3.50	- .29	4.26	.33	2.67	.12	2.11	- .62	4.37	2.03	5.84	2.56	46.99	8.74
UPPER DAVISSON RUN	4 45	-	3.72	-	4.28	-	7.52	-	5.00	-	5.29	-	6.24	-	4.19	-	3.34	-	1.92	-	4.05	-	5.23	-	55.23	-
UPPER SYCAMORE CREEK	3.88	-	3.33	-	-	-	7.15	-	4.61	-	3.12	-	6.07	-	2.52	-	3.35	-	1.63	-	3.86	-	-	-	-	-
VALLEY CHAPEL	5.23	1.69	4.82	1.75	5.17	1.48	5.81	2.40	3.74	- .15	5.22	1.47	8.75	3.82	4.43	.27	5.84	2.52	1.51	-1.90	4.11	.84	5.24	2.02	59.87	16.21
VALLEY HEAD	2.71	-	4.72	-	4.56	-	6.01	-	5.65	-	3.36	-	5.68	-	5.85	-	3.56	-	2.35	-	3.78	-	5.50	-	53.73	-
VANDALIA	-	-	-	-	-	-	5.07	1.37	4.31	.73	6.50	2.69	9.12	3.96	4.68	.48	6.29	3.02	1.60	-1.37	4.90	1.52	-	-	-	-
VIENNA BRISCOE 2 N	-	-	-	-	3.61	-	-	-	4.59	-	5.89	-	4.82	-	-	-	2.86	-	1.95	-	4.01	-	3.80	-	-	-
WARDENSVILLE R M FARM	2.55	.42	0.65	-1.06	2.75	.55	4.42	1.91	3.75	.79	3.34	.34	3.74	.64	6.14	2.51	2.62	.03	4.92	1.76	3.97	2.34	3.63	1.89	42.48	12.12
WASHINGTON DAM 19	1.85	-1.56	3.57	1.00	3.63	.09	7.35	4.17	2.87	- .55	3.90	- .02	8.44	4.51	2.22	-1.44	4.48	1.82	1.87	- .78	3.69	1.05	3.76	.63	47.63	8.92
WAYNE	2.97	- 79	4.68	1.76	4.28	- .32	7.47	3.81	3.99	.41	4.06	.04	3.68	- .91	2.01	-2.24	2.39	- .70	1.83	-1.05	4.98	1.92	4.42	1.39	46.76	3.32
WEBSTER SPRINGS	3.01	-	3.94	-	3.72	-	5.75	-	4.07	-	5.43	-	7.35	-	6.53	-	3.42	-	2.00	-	4.32	-	5.19	-	54.73	-
WELLSBURG 3 NE	1.85	-1.20	2.55	.36	3.76	.57	5.35	2.19	3.48	.28	6.40	2.26	5.20	1.02	4.89	1.33	2.46	- .53	3.28	.56	3.31	.74	3.22	.31	45.75	7.89
WEST MILFORD	4.95	1.88	3.64	.31	4.13	.59	6.70	2.88	4.30	.57	4.89	.62	7.69	3.04	3.78	- .84	3.57	.30	1.74	-2.48	4.28	.67	4.88	1.80	54.55	9.34
WESTON	4.77	66	5.38	1 78	5.00	1.81	6.03	2.52	5.17	1.33	7.10	2.76	7.35	2.93	3.41	- .29	5.75	3.12	1.75	-1.06	4.96	2.02	6.69	3.06	63.36	20.64
WHEELING OHIO CO AP	-	-	-	-	-	-	-	-	2.93	-	-	-	4.46	-	3.72	-	3.45	-	3.02	-	2.76	-	2.69	-	-	-
WHEELING WARWOOD DAM12	1.75	-1.29	2.34	.05	3.89	.61	5.00	1.77	2.89	- .21	2.96	- .93	3.66	- .64	3.31	- .84	3.43	.51	2.96	.23	3.07	.64	3.50	.52	38.76	.42
WHITE SULPHUR SPRINGS	1.94	-1.39	3.74	1.11	5.86	2.29	5.13	1.85	5.03	1.56	4.24	.26	1.56	-2.36	4 48	.89	2.70	- .14	2.35	- .46	4.53	2.25	5.31	2.21	46.87	8.07
WILLIAMSON	2.33	-1.62	4.44	1.09	3.85	- .69	9.12	5.44	3.73	- .35	5.52	.75	8.23	3.80	2.89	-1.10	1.89	- .10	1.98	- .81	4.15	1.33	4.12	.34	52.25	8.08
WINFIELD LOCKS	3.17	.40	3.45	.34	2.86	-1.05	6.41	2.99	2.95	- .68	2.86	-1.39	3.25	- .99	3.53	- .14	1.54	-1.70	1.48	- .27	5.03	2.33	3.65	1.11	40.18	.95
YAWKEY	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1.56	-	2.75	-	2.18	-	4.22	-	3.60	-	-	-

See reference notes following Station Index

TEMPERATURE EXTREMES AND FREEZE DATA

Table 3

Station	Highest	Date	Lowest	Date	Last spring minimum of			First fall minimum of			No. of days between dates		
					24° or below	28° or below	32° or below	32° or below	28° or below	24° or below	24° or below	28° or below	32° or below
ATHENS	91	8-28	- 5	1-15+	3-14 (20°)	4-10 (28°)	4-10 (28°)	10-15 (29°)	10-18 (28°)	12- 1 (23°)	262	191	188
BARTOW	-	-	-	-	-	-	-	9-27 (29°)	10-15 (28°)	10-19 (14°)	-	-	-
BAYARD	95	8-27	-17	1-19	4-18 (23°)	4-18 (23°)	5-20 (30°)	9-26 (28°)	9-26 (28°)	10-19 (18°)	184	161	129
BECKLEY V A HOSPITAL	94	8-29	- 5	12-27	3-29 (20°)	3-29 (20°)	4-10 (29°)	10-15 (28°)	10-15 (28°)	10-19 (20°)	224	219	188
BENSON	101	8-27	14	1-26	4-10 (21°)	4-18 (28°)	4-18 (28°)	10-15 (32°)	10-19 (21°)	10-19 (21°)	192	184	180
BENS RUN	100	8-27	-15	1-28	3-29 (24°)	4-10 (27°)	4-10 (27°)	10-18 (30°)	12- 1 (28°)	12- 2 (24°)	248	235	191
BERKELEY SPRINGS	-	-	-	-	-	-	-	-	11-12 (26°)	11-26 (23°)	-	-	-
BLUEFIELD NO 1	94	8-28	- 1	1-15	3-29 (23°)	3-29 (23°)	4-10 (32°)	10-18 (29°)	10-19 (26°)	12-10 (24°)	256	204	191
BLUESTONE DAM 3 S	103	8-29	1	1-15+	3-30 (24°)	3-30 (24°)	4-10 (31°)	19-19 (28°)	10-19 (28°)	12-11 (16°)	256	203	192
BRANDONVILLE	96	8-28	-20	1-19	4-10 (22°)	4-18 (26°)	5-20 (31°)	9-26 (30°)	10-15 (28°)	10-19 (20°)	192	180	129
BRANDYWINE	97	8-27	-12	1-19	4-18 (24°)	4-18 (24°)	5-20 (31°)	-	-	-	-	-	-
BROWNSVILLE	102	8-27	-16	1-26	4-10 (22°)	4-18 (28°)	4-18 (28°)	10-15 (31°)	10-19 (21°)	10-19 (21°)	192	184	180
BUCKHANNON	95	8-27	-15	1-15+	4-10 (22°)	4-10 (22°)	4-18 (29°)	10-15 (30°)	10-19 (20°)	10-19 (20°)	192	192	180
CABWAYLINGO STATE FRST	-	-	-	-	-	-	-	10-15 (32°)	10-19 (21°)	10-19 (21°)	-	-	-
CAIRO 3 S	101	8-27	-23	1-28	4-12 (24°)	4-12 (24°)	4-18 (29°)	10-15 (31°)	10-19 (22°)	10-19 (22°)	190	190	180
CANAAN VALLEY	90	8-27	-21	1-19	4-10 (20°)	4-23 (28°)	5-20 (32°)	9-26 (28°)	9-26 (28°)	10-19 (18°)	192	156	129
CHARLESTON KANAWHA AP	-	-	- 4	1-19	3-14 (22°)	3-29 (25°)	4-10 (31°)	10-18 (30°)	10-19 (26°)	12- 2 (23°)	263	204	191
CHARLESTON NO 1	105	8-28+	- 3	1-26	3-14 (22°)	3-29 (25°)	4-10 (31°)	10-19 (27°)	10-19 (27°)	12- 9 (24°)	270	204	192
CLARKSBURG NO 1	98	8-28	-18	1-28	4-10 (24°)	4-10 (24°)	4-18 (32°)	10-18 (32°)	10-19 (23°)	10-19 (23°)	192	192	183
COALWOOD	98	8-28	- 2	1-25+	-	-	-	10-15 (32°)	10-19 (21°)	10-19 (21°)	-	-	-
CRANBERRY GLADES	89	8-29	- 8	12-27	4-18 (22°)	5- 6 (28°)	5-23 (29°)	9-24 (31°)	10-15 (24°)	10-15 (24°)	180	162	124
CRESTON	-	-	-	-	3-30 (21°)	4-11 (27°)	4-11 (27°)	-	-	-	-	-	-
ELKINS WB AIRPORT	95	8-27	- 2	2-10	4-10 (23°)	4-10 (23°)	5-20 (32°)	10-15 (32°)	10-18 (25°)	10-19 (21°)	192	191	148
FAIRMONT	100	8-27+	-12	1-28	3-29 (21°)	4-10 (26°)	4-18 (31°)	10-18 (28°)	10-18 (28°)	10-19 (24°)	204	191	183
FLAT TOP	89	8-28	- 9	1-15	3-29 (15°)	4-11 (27°)	4-11 (27°)	10-15 (27°)	10-15 (27°)	10-18 (23°)	203	187	187
GARY	96	8-29	- 1	12-26	3-29 (20°)	4- 4 (27°)	4-10 (30°)	10-19 (23°)	10-19 (23°)	10-19 (23°)	204	198	192
GLENVILLE NO 1	96	8-27	-13	1-26	3-29 (22°)	4-10 (26°)	4-18 (31°)	10-19 (23°)	10-19 (23°)	10-19 (23°)	204	192	184
GRAFTON	98	8-27	-18	1-28	4-10 (22°)	4-18 (27°)	5-20 (30°)	10-18 (30°)	10-19 (22°)	10-19 (22°)	192	184	151
GRANTSVILLE	100	8-29	-12	1-26	4-29 (23°)	4-29 (23°)	4-29 (23°)	10-18 (29°)	10-19 (24°)	10-19 (24°)	173	173	172
HAMLIN	100	8-29	-14	1-25	3-29 (20°)	4-10 (27°)	4-18 (29°)	10-15 (27°)	10-15 (27°)	10-19 (20°)	204	188	180
HASTINGS	-	-	-	-	-	-	-	10-16 (32°)	10-19 (19°)	10-19 (19°)	-	-	-
HINTON NO 1	102	7- 5	0	1-15+	3-29 (24°)	3-29 (24°)	4-10 (32°)	10-19 (32°)	12- 2 (25°)	12-11 (18°)	257	248	192
HUNTINGTON NO 1	102	8-27+	- 2	1-26	3-14 (24°)	3-29 (27°)	3-29 (27°)	10-18 (30°)	11-11 (28°)	12- 9 (24°)	270	227	203
INWOOD	103	8-28	-	-	4- 4 (24°)	4-18 (27°)	4-23 (30°)	-	-	-	-	-	-
KEARNEYSVILLE 1 NW	99	8-28	- 8	1-26	3-29 (21°)	4-18 (27°)	4-23 (31°)	10-16 (32°)	10-19 (26°)	12- 2 (22°)	248	184	176
KUMBRABOW STATE FRST	91	8-27	-16	1-15	4-10 (18°)	4-18 (28°)	5-20 (29°)	9-26 (29°)	10-15 (25°)	10-18 (23°)	191	180	129
LE SAGE GREENBOTTOM	-	-	-	-	-	-	-	10-18 (28°)	10-18 (28°)	12- 9 (22°)	-	-	-
LEWISBURG	95	8-28	-10	12-27	3-29 (19°)	4-10 (28°)	4-18 (30°)	10-15 (27°)	10-15 (27°)	10-19 (18°)	204	188	180
LOGAN	101	8-29	- 2	1-26	3-15 (24°)	3-30 (28°)	4- 4 (31°)	10-19 (28°)	10-19 (28°)	12-11 (19°)	271	203	198
LONDON LOCKS	100	8-29	- 2	1-27	3-15 (22°)	3-30 (26°)	4-11 (30°)	10-19 (29°)	12- 9 (25°)	12-11 (18°)	271	254	191
MADISON	90	8-29	- 6	1-26	3-29 (23°)	3-30 (27°)	4-10 (31°)	10-19 (24°)	10-19 (24°)	10-19 (24°)	204	203	192
MANNINGTON 1 N	101	8-27	-25	1-28	4-10 (20°)	4-18 (26°)	5-20 (30°)	9-26 (32°)	10-19 (20°)	10-19 (20°)	192	184	129
MARTINSBURG MUNIC AP	99	8-28	-10	1-26	3-29 (21°)	4-18 (28°)	4-23 (32°)	10-16 (32°)	10-19 (25°)	12- 1 (24°)	247	184	176
MIDDLEBOURNE 2 ESE	100	8-28	-18	1-26+	3-29 (22°)	4-10 (25°)	4-18 (31°)	10-18 (29°)	10-19 (23°)	10-19 (23°)	204	192	183
MOOREFIELD	101	8-27+	-20	1-25	3-29 (22°)	4-18 (28°)	4-18 (28°)	10-19 (24°)	10-19 (24°)	10-19 (24°)	204	184	184
MOOREFIELD MC NEILL	101	8-28	-20	1-25	4-18 (24°)	4-18 (24°)	5-20 (31°)	9-27 (31°)	10-16 (28°)	10-19 (19°)	184	181	130
MORGANTOWN MUNIC AP	98	8-27	- 5	1-19	3-29 (22°)	4-10 (26°)	4-17 (32°)	10-15 (32°)	10-18 (28°)	12- 2 (19°)	204	191	181
MORGANTOWN NO 1	97	8-27	- 5	1-19+	3-29 (23°)	4-10 (28°)	4-18 (32°)	10-19 (30°)	10-21 (28°)	12- 2 (22°)	248	194	184
MORGANTOWN LOCK 10 L	101	8-28	-11	1-29	3-29 (23°)	4-10 (28°)	4-10 (28°)	10-18 (30°)	10-19 (26°)	12- 9 (23°)	255	192	191
NEW CUMBERLAND DAM 9	101	8-27	-10	1-26	3-18 (20°)	4-30 (27°)	4-30 (27°)	10-19 (28°)	10-19 (28°)	12- 2 (23°)	259	172	172
NEW MARTINSVILLE	102	8-27	-12	1-26	3-29 (21°)	4-10 (25°)	4-18 (32°)	10-19 (23°)	10-19 (23°)	10-19 (23°)	204	192	184
OAK HILL	93	8-28+	0	1-15+	3-29 (20°)	4-10 (27°)	4-10 (27°)	10-15 (32°)	10-18 (27°)	10-19 (20°)	204	191	188
PARKERSBURG WOOD CO AP	99	8-27+	-	-	-	-	-	10-18 (29°)	10-19 (27°)	12- 2 (24°)	-	-	-
PARKERSBURG WB CITY	100	8-27	-10	1-28	3-13 (16°)	3-29 (27°)	4-10 (29°)	10-18 (30°)	11-25 (28°)	12- 9 (23°)	271	241	191
PARSONS	96	8-27	-10	1-26	4-10 (24°)	4-10 (24°)	5-20 (32°)	10-16 (32°)	10-19 (20°)	10-19 (20°)	192	192	149
PETERSBURG WB CITY	99	8-27+	-11	1-25	3-29 (21°)	4-18 (28°)	4-23 (32°)	10-15 (32°)	10-18 (28°)	10-19 (23°)	204	183	175
PIEDMONT 1 SE	99	8-28	- 4	1-26	3-29 (21°)	4- 4 (27°)	4-18 (30°)	10-19 (24°)	10-19 (24°)	10-19 (24°)	204	198	184
PINEVILLE	97	8-28+	- 7	1-26	3-30 (20°)	4-13 (25°)	4-13 (25°)	10-14 (30°)	10-19 (24°)	10-19 (24°)	203	189	184
POINT PLEASANT	100	8-27+	-10	1-28	3-13 (17°)	3-29 (27°)	4-10 (31°)	10-18 (30°)	11-14 (27°)	12- 9 (23°)	271	230	191
RAINELLE NO 1	97	8-28	- 9	1-15+	4-41 (21°)	4-10 (25°)	5-20 (31°)	10-16 (31°)	10-19 (16°)	10-19 (16°)	198	192	149
RAVENSWOOD DAM 22 L	101	8-28	-14	1-25+	3-29 (24°)	4-10 (27°)	4-10 (27°)	10-15 (30°)	10-29 (24°)	10-19 (24°)	204	192	188
RICHWOOD	93	8-28	1	1-10	-	5-20 (28°)	5-21 (29°)	9-26 (32°)	10-15 (24°)	10-15 (24°)	-	148	128
RIPLEY	101	8-28	-17	1-26+	3-29 (22°)	4-10 (26°)	4-18 (32°)	10-15 (29°)	10-18 (27°)	10-19 (22°)	204	191	180
ROMNEY	101	8-28	-14	2- 7	4- 4 (18°)	4-18 (28°)	4-23 (30°)	10-16 (32°)	10-19 (21°)	10-19 (21°)	198	184	176
ROWLESBURG NO 1	98	8-28	- 8	1-19+	3-30 (19°)	4-11 (27°)	4-18 (32°)	10-18 (32°)	10-19 (27°)	12- 2 (23°)	248	191	183
SALEM	-	-	-	-	4-11 (21°)	4-18 (27°)	4-18 (27°)	10-15 (32°)	10-19 (21°)	10-19 (21°)	191	184	180
SHADY SPRINGS	92	8-28	-15	1-26	4- 4 (20°)	4- 4 (20°)	5-23 (32°)	9-26 (32°)	10-15 (25°)	10-19 (16°)	198	194	126
SPENCER	95	8-28+	-10	1-18+	3-29 (22°)	4-10 (26°)	4-18 (32°)	10-15 (31°)	10-19 (24°)	10-19 (24°)	204	192	180
SUMMERSVILLE	-	-	-16	1-14	4- 9 (20°)	4-18 (26°)	4-18 (26°)	9-25 (30°)	10-14 (27°)	10-17 (24°)	191	179	160
SUTTON	101	8-27+	-10	1-26	3-29 (19°)	4-10 (25°)	4-18 (29°)	10-18 (31°)	10-19 (24°)	10-19 (24°)	204	192	183
TERRA ALTA NO 1	-	-	-	-	-	-	-	9-26 (30°)	10-20 (28°)	10-28 (24°)	-	-	-
UNION	94	8-29	-12	12-27	4- 4 (24°)	4-10 (26°)	4-19 (29°)	10-15 (27°)	10-15 (27°)	10-19 (17°)	198	188	179
VALLEY CHAPEL	103	8-27	-13	1-26	3-29 (18°)	4-10 (26°)	4-18 (29°)	10-18 (30°)	10-19 (22°)	10-19 (22°)	204	192	183
VIENNA [illegible] 2 N	99	8-27	-	-	3-29 (22°)	4-10 (25°)	4-18 (31°)	10-18 (31°)	10-19 (26°)	12- 2 (23°)	204	192	183
WARDENSVILLE R M FARM	97	8-29	-19	1-25	4- 4 (22°)	4-23 (28°)	4-23 (28°)	10-15 (32°)	10-19 (22°)	10-19 (22°)	198	179	175
WATERTOWN SPRINGS	95	8-27	- 4	1-19	3-29 (20°)	4- 4 (27°)	4-10 (30°)	10-18 (30°)	10-19 (23°)	10-19 (23°)	204	198	191
WILLIAMSON 3 SE	100	8-27+	-20	1-28	4-10 (23°)	4-18 (27°)	4-30 (32°)	10-16 (32°)	10-19 (24°)	10-19 (24°)	192	184	169
WISE	100	8-28	-	-	3-30 (22°)	4-11 (27°)	4-19 (30°)	10-18 (30°)	10-19 (24°)	10-19 (24°)	203	191	182
WHEELING OHIO CO AP	99	8-27	-	-	-	4-10 (26°)	4-30 (31°)	10-15 (30°)	10-21 (26°)	11-24 (24°)	-	194	168
WHEELING WASHOOD DAM 12	99	8-28+	- 7	1-28+	3-29 (24°)	4-10 (27°)	4-18 (21°)	10-19 (30°)	11-25 (28°)	12- 9 (20°)	255	229	184
WHITE SULPHUR SPRINGS	97	8-28	6	12-27	4- 5 (22°)	4-18 (28°)	4-19 (29°)	10-15 (30°)	10-19 (19°)	10-19 (19°)	197	184	179
WILLIAMSON	100	8-28+	3	1-26	3-15 (24°)	3-30 (27°)	4- 4 (30°)	10-19 (27°)	10-19 (27°)	12-11 (19°)	271	203	198
WINFIELD LOCK	100	8-28+	- 4	1-20+	3-14 (16°)	3-29 (27°)	4-10 (31°)	10-18 (32°)	12- 1 (28°)	12- 9 (21°)	270	248	191

See reference notes following Station Index

TOTAL EVAPORATION AND WIND MOVEMENT

Station		Jan.	Feb.	Mar.	Apr.	May	June	July	Aug.	Sept.	Oct.	Nov.	Dec.	Annual	Departure fr. normal
CLARKSBURG NO 1	EVAP				3.683	4.091	4.958	5.363	3.747	2.585	1.287				
	WIND				2668	2198	1440	1279	923	1102	1264				
WARDENSVILLE R M FARM	EVAP				4.187	5.141	5.834	5.568	5.180	3.662	2.035	1.846			
	WIND				1611	1302	614	504	333	350	568	885			

See reference notes following Station Index

STATION INDEX

Station	Former station name	Index No.	County	Drainage	Latitude ° ′	Longitude ° ′	Elevation above mean sea level (feet)	Years of record: Temperature	Years of record: Precipitation	Years of record: Evaporation	Opened or closed during year: Month opened	Opened or closed during year: Month closed	Refer to tables
ABERDEEN	ABERDEEN 2 MI NE	0012	UPSHUR	WEST FORK	39 03	80 19	1060		24				2
ALDERSON		0102	MONROE	GREENBRIER	37 43	80 39	1550	2	2				1 2 3
ALPENA		0143	RANDOLPH	CHEAT	38 55	79 40	3020		14				2
ARBOVALE		0249	POCAHONTAS	GREENBRIER	38 26	79 49	2734		25				2
ARNOLD		0307	LEWIS	WEST FORK	38 55	80 30	1100		2				2
ATHENS 1 MI E	ATHENS	0355	MERCER	BLUESTONE	37 25	81 01	2600	3	7				1 2 3
BARTOW		0509	POCAHONTAS	GREENBRIER	38 32	79 47	2780		10				2
BAYARD		0527	GRANT	POTOMAC-N BR	39 16	79 22	2375	45	43				1 2 3
BECKLEY V A HOSPITAL	BECKLEY	0580	RALEIGH	NEW	37 47	81 11	2350	41	41				1 2 3
BELINGTON		0633	BARBOUR	TYGART	39 02	79 56	1725		10				2
BELLEVILLE DAM 20 LOWER	DAM 20 O R	0645	WOOD	OHIO	39 09	81 45	600		31				2
BENSON		0679	HARRISON	TYGART	39 09	80 03	1080	23	23				1 2 3
BENS RUN		0687	PLEASANTS	OHIO	39 27	81 07	652	47	47				1 2 3
BERKELEY SPRINGS		0710	MORGAN	POTOMAC	39 37	78 14	640	4	4				1 2 3
BERLIN		0718	LEWIS	WEST FORK	39 03	80 21	1050		2				2
BIG SKIN CREEK		0824	LEWIS	WEST FORK	38 57	80 26	1050		8				2
BLUEFIELD NO 1	BLUEFIELD	0918	MERCER	BLUESTONE	37 16	81 13	2590	49	53				1 2 3
BLUEFIELD NO 2		0923	MERCER	BLUESTONE	37 16	81 13	2590						2
BLUESTONE DAM 3 MI S	BLUESTONE DAM	0939	SUMMERS	NEW	37 38	80 53	1395	5	5				1 2 3
BRANCHLAND		1075	LINCOLN	GUYANDOT	38 13	82 12	600		9				2
BRANDONVILLE		1083	PRESTON	CHEAT	39 40	79 37	1798	6	16				1 2 3
BRANDYWINE		1091	PENDLETON	SO BR-SO FORK	38 38	79 14	1586	31	31				1 2 3
BROWNSVILLE		1173	LEWIS	WEST FORK	39 03	80 29	1032	24	24				1 2 3
BRUSHY FORK		1196	HARRISON	WEST FORK	39 13	80 13	1030		3				2
BRUSHY RUN		1204	PENDLETON	POTOMAC-S BR	38 50	79 15	1375		9				2
BUCKHANNON		1220	UPSHUR	BUCKHANNON	39 00	80 16	1459	53	57				1 2 3
CABWAYLINGO STATE FOREST		1319	WAYNE	TWELVEPOLE CRK	37 59	82 21	740				JULY		1 2 3
CAIRO 3 MI S		1328	RITCHIE	HUGHES	39 10	81 10	680	42	38				1 2 3
CAMDEN-ON-GAULEY		1363	WEBSTER	GAULEY	38 22	80 38	2029		46				2
CANAAN VALLEY		1393	TUCKER	CHEAT	39 03	79 26	3250	3	3				1 2 3
CHARLESTON-KANAWHA CO APT	CHARLESTON AIRPORT	1570	KANAWHA	KANAWHA	38 22	81 36	950		7				1 2 3
CHARLESTON NO 1	CHARLESTON	1575	KANAWHA	KANAWHA	38 21	81 38	615	44	61				1 2 3
CHARLESTON NO 3	CHARLESTON NO 2	1585	KANAWHA	KANAWHA	38 21	81 38	600		9				2
CLARKESBURG-BENEDUM FIELD	HARRISON COUNTY AIRPORT	1672	HARRISON	WEST FORK	39 17	80 14	1188	8	8				1 2 3
CLARKSBURG NO 1	CLARKSBURG	1677	HARRISON	WEST FORK	39 16	80 21	1015	25	31	23			1 2 3
CLARKSBURG NO 2		1682	HARRISON	WEST FORK	39 17	80 20	1000		4				2
CLAY NO 1		1696	CLAY	ELK	38 27	81 05	790		34				2
CLAY NO 2	CLAY	1701	CLAY	ELK	38 28	81 04	650		6				2
COALWOOD		1798	MC DOWELL	TUG FORK	37 23	81 39	1450	5	5				1 2 3
COBURN CREEK		1806	HARRISON	WEST FORK	39 15	80 26	1075		2				2
CRANBERRY GLADES		2013	POCAHONTAS	GREENBRIER	38 11	80 16	3400	4	4				1 2 3
CRAWFORD		2022	LEWIS	WEST FORK	38 52	80 26	1107		24				2
CRESTON		2054	WIRT	LITTLE KANAWHA	38 57	81 16	640	47	48				1 2 3
DAILEY		2151	RANDOLPH	TYGART	38 49	79 53	1975		10				2
DAVIS		2209	TUCKER	CHEAT	39 08	79 27	3120		10				2
DAVISSON RUN		2217	HARRISON	WEST FORK	39 16	80 24	1000		3				2
DUCK CREEK		2488	HARRISON	WEST FORK	39 09	80 24	1068		2				2
EAST RAINELLE 1 MI SE	RAINELLE NO 2	2638	GREENBRIER	GAULEY	37 58	80 47	2410						2
ELK		2701	HARRISON	WEST FORK	39 11	80 14	1000		11				2
ELKINS WB AIRPORT	ELKINS	2718	RANDOLPH	TYGART	38 53	79 51	2006	49	49				1 2 3
FAIRMONT		2920	MARION	MONONGAHELA	39 28	80 09	1023	43	56				1 2 3
FINK RUN		3024	UPSHUR	BUCKHANNON	39 00	80 16	1420		2				2
FLAT TOP		3072	MERCER	BLUESTONE	37 35	81 06	3270	10	10				1 2 3
FRANKLIN		3215	PENDLETON	POTOMAC-S BR	38 42	79 20	1750		11				2
FREEMANSBURG		3238	LEWIS	WEST FORK	39 06	80 32	1030		10				2
GARY		3353	MC DOWELL	TUG FORK	37 22	81 33	1426	28	31				1 2 3
GLENVILLE NO 1	GLENVILLE	3544	GILMER	LITTLE KANAWHA	38 56	80 50	780	53	59				1 2 3
GRAFTON		3630	TAYLOR	TYGART	39 21	80 01	1100	53	51				1 2 3
GRANTSVILLE		3648	CALHOUN	LITTLE KANAWHA	38 56	81 06	730	2	2				1 2 3
HACKERS CREEK		3793	HARRISON	WEST FORK	39 08	80 26	1020		11				2
HALL		3816	BARBOUR	BUCKHANNON	39 03	80 07	1375		9				2
HAMLIN		3846	LINCOLN	MUD	38 17	82 06	642	5	5				1 2 3
HARPERS FERRY		3927	JEFFERSON	POTOMAC	39 19	77 44	400		59				2
HARRISON		3935	MINERAL	POTOMAC-N BR	39 22	79 12	1700		8				2
HASTINGS		3974	WETZEL	OHIO	39 33	80 40	809		12				1 2 3
HINTON NO 1	HINTON	4170	SUMMERS	NEW	37 40	80 53	1431	50	59				1 2 3
HOGSETT GALLIPOLIS DAM LOWER	HOGSETT	4200	MASON	OHIO	38 41	82 11	564		10				2
HORNER		4281	LEWIS	WEST FORK	38 59	80 22	1075		24				2
HOLT LOCK 15 LOWER	DAM 15 MON R	4309	MARION	MONONGAHELA	39 34	80 08	882		26				2
HUNDRED		4369	WETZEL	OHIO	39 41	80 27	1034		10				2
HUNTINGTON NO 1	HUNTINGTON	4378	CABELL	OHIO	38 25	82 26	571	51	52				1 2 3
HUNTINGTON NO 2		4383	CABELL	OHIO	38 25	82 26	600						2
JAEGER		4408	MC DOWELL	TUG FORK	37 28	81 49	980		2				2
INWOOD		4470	BERKELEY	POTOMAC	39 22	78 03	569	13	14			SEPT	1 2 3
IRELAND		4478	LEWIS	WEST FORK	38 49	80 28	1142		11				2
ISAACS CREEK		4499	HARRISON	WEST FORK	39 12	80 30	1063		2				2
JANE LEW		4559	LEWIS	WEST FORK	39 06	80 25	1020		24				2
JESSE RUN		4619	LEWIS	WEST FORK	39 06	80 20	1080		1				2
KAYFORD		4755	KANAWHA	KANAWHA	38 01	81 27	1335		31				2
KEARNEYSVILLE 1 MI NW	KEARNEYSVILLE	4763	JEFFERSON	POTOMAC	39 23	77 53	548	17	18				1 2 3
KERMIT		4816	MINGO	TUG	37 50	82 25	620		23				2
KINGWOOD		4897	PRESTON	CHEAT	39 28	79 42	1890	4	4				1 2
KIRBY MOUNTAIN		4941	MINERAL	POTOMAC	39 22	79 00	1400		8				2
KUMBRABOW STATE FOREST		4971	RANDOLPH	TYGART	38 35	80 05	3210	8	8				1 2 3
LAKE FLOYD		4994	HARRISON	WEST FORK	39 17	80 30	1110		2				2
LAKE LYNN		5002	MONONGALIA	CHEAT	39 43	79 51	900		24				2
LAKIN		5010	MASON	OHIO	38 58	82 05	640		8				2
LE JACK GREENBOTTOM		5055	CABELL	OHIO	38 33	82 17	550	10	10				1 2 3
LEWISBURG		5224	GREENBRIER	GREENBRIER	37 48	80 26	2250	46	52				1 2 3
LINDSIDE		5284	MONROE	NEW	37 27	80 40	2000		8				2
LITTLE SKIN CREEK		5314	LEWIS	WEST FORK	38 58	80 25	1068		2				2
LITTLEPOOL		5323	JACKSON	OHIO	38 54	81 32	660		9				2
LOCKPORT		5341	GILMER	LITTLE KANAWHA	38 51	80 58	720		5				2

See reference notes following Station Index

Station	Former station name	Index No.	County	Drainage	Latitude	Longitude	Elevation above mean sea level (feet)	Years of record: Temperature	Years of record: Precipitation	Years of record: Evaporation	Opened or closed during year: Month opened	Opened or closed during year: Month closed	Refer to tables
LOGAN		5353	LOGAN	GUYANDOT	37 51	82 00	700	21	35				1 2 3
LONDON LOCKS LOWER	LONDON LOCKS	5365	KANAWHA	KANAWHA	38 12	81 22	623	13	13				1 2 3
MAC FARLAN		5547	RITCHIE	HUGHES	39 05	81 12	670		8				2
MADISON		5563	BOONE	LITTLE COAL	38 03	81 49	675	26	27				1 2 3
MAN		5600	LOGAN	GUYANDOT	37 44	81 53	729		6				2
MANNINGTON 1 MI N	MANNINGTON 1-1/2 MI NW	5621	MARION	MONONGAHELA	39 33	80 21	974	46	46				1 2 3
MANNINGTON NO 2		5626	MARION	MONONGAHELA	39 32	80 21	980		2				2
MARLINTON		5672	POCAHONTAS	GREENBRIER	38 13	80 05	2150		5				2
MARTINSBURG MUNICIPAL AIRPORT	MARTINSBURG	5707	BERKELEY	POTOMAC	39 24	77 59	545	50	56				1 2 3
MATHIAS		5739	HARDY	LOST RIVER	38 52	78 52	1550		9				2
MC MECHEN DAM 13 1 MI W	DAM 12 O R	5847	MARSHALL	OHIO	39 59	80 44	646		32				2
MC NEILL 2 MI NE		5855	HARDY	POTOMAC-S BR	39 09	78 54	800	14	14				1 2 3
MIDDLEBOURNE 2 MI ESE	MIDDLEBOURNE 2-3/4 MI SE	5963	TYLER	OHIO	39 29	80 52	750	7	7				1 2 3
MIDVALE		5984	RANDOLPH	TYGART-MIDDLE FK	38 56	80 06	1850		10				2
MOOREFIELD		6163	HARDY	POTOMAC-S BR	39 04	78 58	800	40	40				1 2 3
MORGANTOWN MUNICIPAL AIRPORT		6202	MONONGALIA	MONONGAHELA	39 38	79 55	1245	2	2				1 2 3
MORGANTOWN NO 1	MORGANTOWN	6207	MONONGALIA	MONONGAHELA	39 38	79 57	1050	54	72				1 2 3
MORGANTOWN LOCK 10 LOWER	DAM 10 MON R	6212	MONONGALIA	MONONGAHELA	39 38	79 58	826	26	26				1 2 3
MOUNT CLARE		6276	HARRISON	WEST FORK	39 13	80 20	1040		11				2
NAOMA 1 MI E	NAOMA	6362	RALEIGH	COAL	37 52	81 30	1125		8				2
NEW CUMBERLAND DAM 9	NEW CUMBERLAND	6442	HANCOCK	OHIO	40 30	80 37	671	53	50				1 2 3
NEW MARTINSVILLE		6467	WETZEL	OHIO	39 39	80 52	637	55	54				1 2 3
OAK HILL		6591	FAYETTE	NEW	37 58	81 09	1992	6	6				1 2 3
OMPS		6674	MORGAN	POTOMAC	39 30	78 17	950		2				2
PARKERSBURG-WOOD CO AIRPORT		6849	WOOD	OHIO	39 21	81 26	837	1	1		MAY		1 2 3
PARKERSBURG WB CITY	PARKERSBURG	6859	WOOD	OHIO	39 16	81 34	615	59	63				1 2 3
PARSONS		6867	TUCKER	CHEAT	39 06	79 40	1649	49	49				1 2 3
PETERSBURG WB CITY	PETERSBURG	6954	GRANT	POTOMAC-S BR	39 00	79 07	1013	9	9				1 2 3
PHILIPPI		6982	HARBOUR	TYGART	39 04	80 03	1300		55				2
PICKENS NO 1		6991	RANDOLPH	BUCKHANNON	38 40	80 13	2695		47				1 2
PICKENS NO 2		6996	RANDOLPH	BUCKHANNON	38 39	80 13	2701		8				2
PIEDMONT 1 MI SE	PIEDMONT	7004	MINERAL	NORTH BRANCH	39 29	79 02	1053	34	33				1 2 3
PINEVILLE		7029	WYOMING	GUYANDOT	37 35	81 32	1350	5	5				1 2 3
POINT PLEASANT		7105	MASON	OHIO	38 51	82 08	540	54	58				1 2 3
POLK CREEK		7115	LEWIS	WEST FORK	39 03	80 34	1074		2				2
PRINCETON 1 MI SW	PRINCETON	7207	MERCER	BLUESTONE	37 22	81 05	2410		18				2
RAINELLE NO 1	RAINELLE	7306	GREENBRIER	GAULEY	37 55	80 51	2424	17	17				1 2 3
RAVENSWOOD DAM 22 LOWER		7352	JACKSON	OHIO	38 57	81 45	584	25	33				1 2 3
RENICK		7444	GREENBRIER	GREENBRIER	38 00	80 21	1950		32				2
RICHWOOD		7502	NICHOLAS	GAULEY	38 15	80 33	2193	17	17				1 2 3
RIGHT FORK OF STONECOAL CREEK		7536	LEWIS	WEST FORK	38 54	80 26	1086		2				2
RIPLEY		7552	JACKSON	OHIO	38 49	81 43	610	2	2				1 2 3
ROANOKE		7598	LEWIS	WEST FORK	38 56	80 29	1050		24				2
ROCKFORD		7658	HARRISON	WEST FORK	39 08	80 20	1035		11				2
ROHRBOUGH		7718	LEWIS	WEST FORK	38 59	80 30	1036		2				2
ROMNEY		7730	HAMPSHIRE	POTOMAC-S BR	39 21	78 45	824	47	46				1 2 3
ROWLESBURG NO 1	ROWLESBURG	7785	PRESTON	CHEAT	39 21	79 40	1375	6	63				1 2 3
ST MARYS		7895	PLEASANT	OHIO	39 23	81 12	635		36				2
SALEM		7883	HARRISON	WEST FORK	39 17	80 34	1047	2	10				1 2 3
SAND FORK		7901	LEWIS	WEST FORK	38 54	80 25	1088		2				2
SHADY SPRINGS		8083	RALEIGH	NEW	37 42	81 03	2750	7	7				1 2 3
SHINNSTON		8145	HARRISON	WEST FORK	39 23	80 18	910		10				2
SMITHBURG		8274	DODDRIDGE	OHIO	39 17	80 44	769		7				2
SPENCER		8384	ROANE	LITTLE KANAWHA	38 48	81 21	789	48	49				1 2 3
SPRINGFIELD		8409	HAMSPHIRE	POTOMAC-S BR	39 26	78 43	700		8				2
SPRUCE KNOB		8432	PENDLETON	POTOMAC-S BR	38 42	79 32	4550		16				2
STONY RIVER DAM		8536	GRANT	POTOMAC-S BR	39 08	79 18	3400		28				2
SUGARCAMP RUN		8580	LEWIS	WEST FORK	38 50	80 25	1180		2				2
SUMMERSVILLE		8608	NICHOLAS	GAULEY	38 17	80 51	1900	12	12				1 2 3
SUTTON		8652	BRAXTON	ELK	38 40	80 42	900	45	45				1 2 3
SYCAMORE CREEK		8699	HARRISON	WEST FORK	38 14	80 25	1000		3				2
TERRA ALTA NO 1		8777	PRESTON	CHEAT	39 27	79 31	2559	47	37				1
THOMAS		8807	TUCKER	CHEAT	39 09	79 30	3000		19				2
TRIBBLE		8924	MASON	KANAWHA	38 41	81 50	630		7				2
TYGART DAM		8986	TAYLOR	TYGART	39 19	80 02	1200		10				2
UNION		9011	MONROE	GREENBRIER	37 36	80 32	1975	44	43				1 2 3
UPPER DAVISSON RUN		9036	HARRISON	WEST FORK	39 16	80 26	1084		2				2
UPPER SYCAMORE CREEK		9044	HARRISON	WEST FORK	39 14	80 27	1074		1				2
VALLEY CHAPEL		9072	LEWIS	WEST FORK	39 06	80 24	1011	24	24				1 2 3
VALLEY HEAD		9086	RANDOLPH	TYGART	38 33	80 02	2425		10				2
VANDALIA		9104	LEWIS	WEST FORK	38 56	80 24	1120		24				2
VIENNA BRISCOE 2 MI N		9168	WOOD	OHIO	39 21	81 32	634	1	6				1 2 3
WARDENSVILLE R M FARM	WARDENSVILLE 2-1/2 MI NE	9281	HARDY	CACAPON	39 06	78 35	1200	30	29	8			1 2 3 4
WASHINGTON DAM 19	DAM 19 O R	9309	WOOD	OHIO	39 16	81 42	600		31				2
WAYNE		9321	WAYNE	TWELVEPOLE CRK	38 13	82 27	575		23				2
WEBSTER SPRINGS		9333	WEBSTER	ELK	38 29	80 25	1560	13	14				1 2 3
WELLSBURG 3 MI NE		9368	BROOKE	OHIO	40 19	80 35	668	48	55				1 2 3
WEST MILFORD		9428	HARRISON	WEST FORK	39 12	80 24	979		22				2
WESTON		9436	LEWIS	WEST FORK	39 02	80 28	1026	25	57				1 2 3
WHEELING-OHIO CO AIRPORT		9487	OHIO	OHIO	40 11	80 38	1190				APR		1 2 3
WHEELING WARWOOD DAM 12 L	WHEELING DAM 12	9492	OHIO	OHIO	40 06	80 42	659	40	64				I 2 3
WHITE SULPHUR SPRINGS 1 MI W		9522	GREENBRIER	GREENBRIER	37 48	80 18	1914	35	34				1 2 3
WILLIAMSON		9605	MINGO	TUG FORK	37 40	82 17	673	46	47				1 2 3
WINFIELD LOCKS		9683	PUTNAM	KANAWHA	38 42	81 52	571	10	10				1 2 3
YAWKEY		9805	LINCOLN	MUD	38 14	81 58	630		9				2

See reference notes following Station Index

REFERENCE NOTES

Unless otherwise indicated, dimensional units used in this bulletin are: Temperature in °F; precipitation and evaporation in inches, and wind movement in miles. Evaporation is measured in the standard Weather Bureau type pan of 4 foot diameter unless otherwise shown by footnote following Table 4.

The four digit identification numbers in the Index are assigned on a state basis. There will be no duplication of numbers within a state.

Delayed data and corrections will be carried only in the June and December issues of Climatological Data.

- \- No record.
- \+ Also later dates or months.
- M 1 to 10 days' record missing; see monthly Climatological Data for detailed daily record.

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